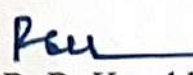


1.3.2 and 1.3.3 Value Added Courses 2021-22

Sr. No.	Name of the Course	Course Code	Page No.
1	Instrumentation Course in Life Sciences	VAD-1633	1-26
2	Basic Beauty Parlour Certificate Course	VAD-1634	27-37
3	Information and Computer Basics	VAD-1635	38-46
4	Fasion Designing Certificate Course	VAD-1636	47-62
5	Travel, Tourism and Management	VAD-1637	63-77
6	Industrial Waste Water Management	VAD-1638	78-98
7	Sustainable Agriculture	VAD-1639	99-111
8	Excel for Beginners	VAD-1640	112-127
9	Nutrition and Dietetics	VAD-1641	128-147
10	Western and Folk Dance	VAD-1642	148-150
11	Music: Vocal and Instrumental	VAD-1643	151-153
12	Python	VAD-1644	154-163
13	Security Market and Investment Analysis	VAD-1645	164-167
14	Modi Script	VAD-1646	168-175
15	Certificate Course in Medical Lab Technician	VAD-1647	176-190
16	Diploma in Medical Lab Technician	VAD-1648	191-210
17	German Language A1 Course	VAD-1649	211- 215
18	French Language Course	VAD-1650	216-217



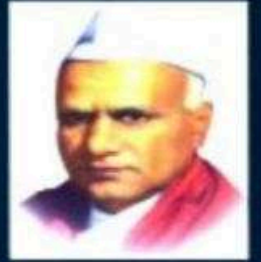

 Dr. R. R. Kumbhar
PRINCIPAL
 Vivekanand College
 Kolhapur

"Education for Knowledge, Science and Culture"

-Dr Bapuji Salunkhe



**Shri Swami Vivekanand
Shikshan Sanstha's
Vivekanand College, Kolhapur
(Autonomous)**



**Department of Biotechnology
Value Added Course**

"Instrumentation Course in Life Sciences"

Course fees= Rs 500/- per student

Contact Mr A.L.Upadhye (9595210850)

Mr S.G.Kulkarni (9765388919)

Ms S.H.Nadaf (8275450187)

Limited Seats Available (first come first serve)

SYLLABUS

"Instrumentation Course in Life Sciences"

Unit I

General instruments: Principle, working & application

Digital Weighing Balance, pH meter, Centrifuge, Refrigerator, Deep Freezer, Autopipetter, Water bath, Dry Bath, Thermometer, Mini Spinner, Vortex Mixer, Magnetic Stirrer

Unit II

Instruments for Biochemistry: Principle, working & application

Titration, Colorimeter, Spectrophotometer, BOD/COD Apparatus & BOD incubator, Specific gravity bottle, Chromatography [TLC, Paper Chromatography, Ion Exchange Chromatography, Gel Filtration Chromatography], Dialysis, Refractometer.

Unit III

Instruments for Microbiology: Principle, working & application

Autoclave, Hot Air Oven Incubator, Microscope, Fermentor, Shaker Incubator, Distillation Unit, Hemocytometer, Replica Unit, Immunoassay Techniques, Colony Counter.

Unit IV

Instruments for Molecular Biology: Principle, working & application

Gel Electrophoresis, PAGE, Gel Doc system, Electro blotting, UV Transilluminator, PCR, Cooling Centrifuge, Liquid Nitrogen Homogenization, Cryopreservation, Thermocycler

Unit V

Instruments for Plant Tissue Culture: Principle, working & application

Hot Plate, Laminar Air Flow, Rotatory Shaker, Cell Counter.

Practical for "Instrumentation Course in Life Sciences"

Sr. No.	Name of the Practical	Practicals 06
1	Demonstration of Dialysis	1
2	Demonstration of Chromatography(TLC, Paper, Gel filtration)	1
3	Demonstration of Spectrophotometer (checking purity of DNA)	1
4	Demonstration of PCR (Thermo cycler)	1
5	Demonstration of Laminar Air Flow	1
6	Determination of Standard Plate Count	1
7	Demonstration of Flame Photometer	1
8	Micrometry (Determination of Size of Microscopic Objects)	1
9	Demonstration of Visualization and estimation of DNA (Gel electrophoresis, Gel Documentation, U.V Transilluminator)	1
10	Demonstration of Plant Tissue Culture technique (Surface sterilization and aseptic inoculation)	1
11	Homogenization By Liquid Nitrogen	1
12	Demonstration of all general instruments required in Life sciences	1

References:

- 1) Biophysical Chemistry by Nath and Upadhya.
- 2) Practical biochemistry principles and techniques by Wilson and Walker.
- 3) Instrumental methods of chemical analysis by Chatwal and Anand
- 4) Lab Manual in Biochemistry by J. Jayaraman
- 5) Chromatography: Concepts and Contrasts- 1988 James Miller, John Wiley and Sons, Inc.
- 6) Analytical Biochemistry by Holme.
- 7) Spectroscopy by B.P. Straughan and S. Walk

“Instrumentation Course in Life Sciences”

The course offers practical knowledge for various instruments in Life Science which helps them in their research career also helps to grab a position in various sectors like;

- Life science instrumentation manufacturers, suppliers, and providers
- Pharmacy & biotech companies and CROs
- Academic institutions and private research institutions
- Environmental testing laboratories
- Food and beverage testing centers
- Hospitals and diagnostic centers
- Service laboratories

Instrument wise scope:

- **Cell counting**
 - Research institutions
 - Hospitals and diagnostic laboratories
 - Pharmaceutical and biotechnology companies
 - Other end users (food and beverage companies, CROs, and environmental testing companies)
- **Centrifuges**
 - Hospitals
 - Biotechnology and pharmaceutical companies
 - Academic and research institutes
- **Chromatography**
 - Pharmaceutical companies and CROs
 - Biotechnology and biopharmaceutical companies
 - Academics research institutions
 - Agriculture and food industry
 - Environmental testing
 - Other end users (government agencies, hospitals & clinics, cosmetic industry, and forensic laboratories)
- **Electrophoresis**
 - Academic and research institutions
 - Hospitals and diagnostic centers
 - Pharmaceutical and biotechnology companies
 - Research organizations

- **Flow Cytometry**

- Pharmaceutical and biotechnology companies
- Medical Schools and academic institutions
- Hospitals
- Research institutions
- Clinical testing labs

- **Immunoassay**

- Hospitals
- Clinical laboratories
- Blood bank
- Academic research centers
- Pharmaceutical companies, CROs, and biotechnology companies
- Other end users (physicians, home health agencies, nursing homes, and ambulatory surgical centers)

- **Microscopy**

- Academic institutes
- Industries
- Other end users (government research institutions and private laboratories)

Department of Biotechnology
Vivekanand College, Kolhapur (Autonomous)

Date: -06/12/2021

To,
The Principal
Vivekanand College, Kolhapur

Subject: Regarding the commencement of Value Added Course (Session-I)


Respected Sir,

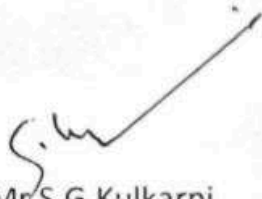
The Add- On Course of Department of Biotechnology "Instrumentation Course in Life Sciences" as approved by academic council is to commence for the 1st Session of the Academic year 2021-2022. It is requested to allow us to start the value added course for this year in two batches A and B.

Thanking You,

Yours Faithfully

Allowed
PS
6-12-21


Mr A.L. Upadhye
Co-Ordinator


Mr S.G. Kulkarni
Head

Department of Biotechnology (Entire)
Vivekanand College, Kolhapur (Autonomous)

श्री स्वामी विवेकानंद शिक्षण संस्था कोल्हापूर

विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त)

बायोटेक्नॉलॉजी विभाग

Add On Course 2021-22

"Instrumentation Course in Life Sciences"

दिनांक 23.11.2021

नोटीस

बी.एस्सी.भाग 1, 2 व 3 मधील सर्व विद्यार्थ्यांना सूचित करण्यात येते की, बायोटेक्नॉलॉजी विभागामध्ये "Instrumentation Course in Life Sciences" हा कोर्स सुरू करण्यात येत आहे, तरी इच्छुक विद्यार्थ्यांनी प्रवेशासाठी बायोटेक्नॉलॉजी विभागाशी दि.30.11.2021 पर्यंत संपर्क साधावा. (प्रवेश क्षमता मर्यादित असल्याने त्वरीत संपर्क साधावा)

Paalab
23/11/2021

Head

Department of Biotechnology (Optional)
Vivekanand College, Kolhapur (Autonomous)

Silva
23/11/2021

Head

Department of Biotechnology (Entire)
Vivekanand College, Kolhapur (Autonomous)

By
M.Sc.(Needs)
MBOE (Stat)

Bhiku
22/11/21

Bhargat

[Signature]

Sr. No.		Name of The Students	Class	Fees	Sign.
BATCH -A					
1	*	Ghule Uma Sanjay	B.Sc.I Biotech (Ent.)	500	<i>Uma</i>
2	*	Sawant Bramhali Vakil	B.Sc.I Biotech (Ent.)	500	<i>Bramhali</i>
3	*	Bhoite Pranali Pratapsinh	B.Sc.III Biotech (Ent.)	500	<i>Pranali</i>
4	*	Rajguru Priyanka Dhanaji	B.Sc.III Biotech (Ent.)	500	<i>Priyanka</i>
5		Bedekar Pranav Anil	B.Sc.II Biotech (Ent.)	500	<i>Pranav</i>
6	*	Chavan Pratiksha Ananda	B.Sc.II Biotech (Ent.)	500	<i>Pratiksha</i>
7		Ghorpade Pritam Ramesh	B.Sc.I Biotech (Ent.)	500	<i>Pritam</i>
8	*	Tahasildar Sanika Samrat	B.Sc.II Biotech (Ent.)	500	<i>Sanika</i>
9	*	Awalkar Anchal Nandkumar	B.Sc.II Biotech (Ent.)	500	<i>Anchal</i>
10	*	Kathare Sakshi Anil alias Atmaram	B.Sc.I Biotech (Ent.)	500	<i>Sakshi</i>
11	*	Bhosale Nisha Subhash	B.Sc.I Biotech (Ent.)	500	<i>Nisha</i>
12	*	Shinde Sayali Yasheant	B.Sc.I Biotech (Ent.)	500	<i>Sayali</i>
13	*	Patil Mrunal Babaso	B.Sc.I Biotech (Ent.)	500	<i>Mrunal</i>
14	*	Dhenge Janvi Shirish	B.Sc.I Biotech (Ent.)	500	<i>Janvi</i>
15	*	Kole Sanika Uttam	B.Sc.I Biotech (Ent.)	500	<i>Sanika</i>
16	*	Vedpathak Aditi Atul	B.Sc.I Biotech (Ent.)	500	<i>Aditi</i>
17	*	Hajgude Sakshi Mukesh	B.Sc.I Biotech (Ent.)	500	<i>Sakshi</i>
18	*	Patil Gayatri Bhaurao	B.Sc.I Biotech (Ent.)	500	<i>Gayatri</i>
19	*	Patil Saloni Suhas	B.Sc.I Biotech (Ent.)	500	<i>Saloni</i>
20	*	Jagatap Pratikshi Baban	B.Sc.I Biotech (Ent.)	500	<i>Pratikshi</i>
21	*	Davkare Pooja Tatyaso	B.Sc.I Biotech (Ent.)	500	<i>Pooja</i>
22	*	Dixit Sakshi Pradip	B.Sc.I Biotech (Ent.)	500	<i>Sakshi</i>
23		Kadam Aniket Balasaheb	B.Sc.II Biotech (Ent.)	500	<i>Aniket</i>
24		Chogule Vrashab Suresh	B.Sc.II Biotech (Ent.)	500	<i>Vrashab</i>
25	*	Kulkarni Aarya Dhanajay	B.Sc.I Biotech (Ent.)	500	<i>Aarya</i>
26		Mane Mohit Sunil	B.Sc.I Biotech (Ent.)	500	<i>Mohit</i>
27		Kadam Suraj Santosh	B.Sc.I Biotech (Ent.)	500	<i>Suraj</i>
28		Patil Pruthviraj Amar	B.Sc.I Biotech (Ent.)	500	<i>Pruthviraj</i>
29	*	Potdar Arya Santosh	B.Sc.I Biotech (Ent.)	500	<i>Arya</i>
30	*	Arab Jakiya AbdulMajid	B.Sc.II Biotech (Ent.)	500	<i>Jakiya</i>

BATCH - B

31	*	Siddhnaik Radhika Bapu	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
32		Shirke Harshwardhan Dattatraya	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
33	*	Kolekar Arya Ramchandra	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
34	*	Athanikar Sabira Nijam	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
35	*	Inamdar Varda Rahul	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
36	*	Deshpande Vaibhavi Harish	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
37		Gawade Chinamay Vijay	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
38		Shinde Swanand Arun	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
39	*	Patil Araya Vijay	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
40	*	Patil Vaishnavi Rajendra	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
41	*	Varute Ankita Ashwinkumar	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
42		Nalawade Saurabh Dattatrya	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
43	*	Parakr Siddhi Sunil	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
44	*	Savardekar Vaishnavi Umesh	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
45	*	Kamble Ekata Hement	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
46	*	Patil Divya Suresh	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
47	*	Surve Maithili Vikrant	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
48	*	Kamble Vaishnavi Ashok	B.Sc III Biotech (Ent.)	500	<i>[Signature]</i>
49	*	Chavn Mrunmayi Anil	B.Sc III Biotech (Ent.)	500	<i>[Signature]</i>
50	*	Alave Aarya Rajendra	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
51	*	Patil Anjali Rajendta	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
52		Shaikh Firas Dilawar	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
53	*	Kulkarni Gayatri Raghunath	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
54	*	Shah Medinee Prasanna	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
55	*	Palkar Sharavari Maniksen	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
56	*	Patil Rutuja Anandrao	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
57	*	Chougale Nikita Bharat	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
58	*	Mane Utkarsha Gajendra	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
59		Patil Avdhut Mohan	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
60		Chikhale Roshan Prakash	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
61	*	Korane Pratiksha Tanajui	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
62	*	Wadkar Shreya Sunil	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
63		Sharma Aaditya Navalkishor	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
64	*	Namarata Dharmagonda Patil	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
65	*	Shweta Tanaji Patil	B.Sc II Biotech (Ent.)	500	<i>[Signature]</i>
66	*	Aragu Rasika Ramesh	B.Sc-III Biotech (Ent)	500	<i>[Signature]</i>
67	*	Pujari Poonam Sukhadev	B.Sc-III Biotech (Ent)	500	<i>[Signature]</i>

[Signature]
Co ordinator

[Signature]
Head
Department of Biotechnology (Entire)
Anand College, Kolhapur (Autonomous)

Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur
Department of Biotechnology
Add on Course
"Instrumentation Course in Life Sciences"

ATTENDANCE

Sr. No.		Name of The Students	Class	Signature of mark list and certificate issue
1	*	Ghule Uma Sanjay	B.Sc.I Biotech (Ent.)	<i>Uma</i>
2	*	Sawant Bramhall Vakli	B.Sc.I Biotech (Ent.)	<i>Bramhall</i>
3	*	Bhoite Pranali Pratapsinh	B.Sc.III Biotech (Ent.)	<i>Bhoite</i>
4	*	Rajguru Priyanka Dhanaji	B.Sc.III Biotech (Ent.)	<i>Rajguru</i>
5		Bedekar Pranav Anil	B.Sc.II Biotech (Ent.)	<i>Bedekar</i>
6	*	Chavan Pratiksha Ananda	B.Sc.II Biotech (Ent.)	
7		Ghorpade Pritam Ramesh	B.Sc.I Biotech (Ent.)	<i>Ghorpade</i>
8	*	Tahasildar Sanika Samrat	B.Sc.II Biotech (Ent.)	<i>Tahasildar</i>
9	*	Awalkar Anchal Nandkumar	B.Sc.II Biotech (Ent.)	<i>Awalkar</i>
10	*	Kathare Sakshi Anil alias Atmaram	B.Sc.I Biotech (Ent.)	<i>Kathare</i>
11	*	Bhosale Nisha Subhash	B.Sc.I Biotech (Ent.)	<i>Bhosale</i>
12	*	Shinde Sayali Yasheant	B.Sc.I Biotech (Ent.)	<i>Shinde</i>
13	*	Patil Mrunal Babaso	B.Sc.I Biotech (Ent.)	<i>Patil</i>
14	*	Dhenge Tanvi Shirish	B.Sc.I Biotech (Ent.)	<i>Tanvi</i>
15	*	Kole Sanika Uttam	B.Sc.I Biotech (Ent.)	<i>Kole</i>
16	*	Vedpathak Aditi Atul	B.Sc.I Biotech (Ent.)	<i>Aditi</i>
17	*	Hajgude Sakshi Mukesh	B.Sc.I Biotech (Ent.)	<i>Sakshi</i>
18	*	Patil Gayatri Bhauroo	B.Sc.I Biotech (Ent.)	<i>Patil</i>
19	*	Patil Saloni Suhas	B.Sc.I Biotech (Ent.)	<i>Patil</i>
20	*	Jagatap Pratikshi Baban	B.Sc.I Biotech (Ent.)	<i>Jagatap</i>
21	*	Davkare Pooja Tatyaso	B.Sc.I Biotech (Ent.)	
22	*	Dixit Sakshi Prasip	B.Sc.I Biotech (Ent.)	
23		Kadam Aniket Balasaheb	B.Sc.II Biotech (Ent.)	
24		Chogule Vrashab Suresh	B.Sc.II Biotech (Ent.)	
25	*	Kulkarni Aarya Dhanajay	B.Sc.I Biotech (Ent.)	<i>Aarya</i>
26		Mane Mohit Sunil	B.Sc.I Biotech (Ent.)	<i>Mane</i>
27		Kadam Suraj Santosh	B.Sc.I Biotech (Ent.)	<i>Suraj</i>
28		Patil Pruthviraj Amar	B.Sc.I Biotech (Ent.)	<i>Patil</i>
29	*	Potdar Arya Santosh	B.Sc.I Biotech (Ent.)	
30	*	Arab Jakiya AbdulMajid	B.Sc.II Biotech (Ent.)	<i>Jakiya</i>

31	*	Siddhnaik Radhika Bapu	B.Sc.II Biotech (Ent.)	
32		Shirke Harshwardhan Dattatraya	B.Sc.II Biotech (Ent.)	H.S. Shirke
33	*	Kolekar Arya Ramchandra	B.Sc.II Biotech (Ent.)	
34	*	Athanikar Sabira Nijam	B.Sc.II Biotech (Ent.)	
35	*	Inamdar Varda Rahul	B.Sc.II Biotech (Ent.)	V. Inamdar
36	*	Deshpande Vaibhavi Harish	B.Sc.II Biotech (Ent.)	V. Deshpande
37		Gawade Chinamay Vijay	B.Sc.II Biotech (Ent.)	
38		Shinde Swanand Arun	B.Sc.II Biotech (Ent.)	
39	*	Patil Araya Vijay	B.Sc.II Biotech (Ent.)	A. Patil
40	*	Patil Vaishnavi Rajendra	B.Sc.II Biotech (Ent.)	V. Patil
41	*	Varute Ankita Ashwinkumar	B.Sc.II Biotech (Ent.)	A. Varute
42		Nalawade Saurabh Dattatrya	B.Sc.II Biotech (Ent.)	S. Nalawade
43	*	Parakr Siddhi Sunil	B.Sc.II Biotech (Ent.)	S. Parakr
44	*	Savardekar Vaishnavi Umesh	B.Sc.II Biotech (Ent.)	V. Savardekar
45	*	Kamble Ekata Hement	B.Sc.II Biotech (Ent.)	
46	*	Patil Divya Suresh	B.Sc.II Biotech (Ent.)	D. Patil
47	*	Surve Maithili Vikrant	B.Sc.II Biotech (Ent.)	M. Surve
48	*	Kamble Vaishnavi Ashok	B.Sc.III Biotech (Ent.)	V. Kamble
49	*	Chavn Mrunmayi Anil	B.Sc.III Biotech (Ent.)	M. Chavn
50	*	Alave Aarya Rajendra	B.Sc.II Biotech (Ent.)	A. Alave
51	*	Patil Anjali Rajendta	B.Sc.II Biotech (Ent.)	A. Patil
52		Shaikh Firas Dilawar	B.Sc.II Biotech (Ent.)	F. Shaikh
53	*	Kulkarni Gayatri Raghunath	B.Sc.II Biotech (Ent.)	G. Kulkarni
54	*	Shah Medinee Prasanna	B.Sc.II Biotech (Ent.)	M. Shah
55	*	Palkar Sharavari Maniksen	B.Sc.II Biotech (Ent.)	S. Palkar
56	*	Patil Rutuja Anandrao	B.Sc.II Biotech (Ent.)	R. Patil
57	*	Chougale Nikita Bharat	B.Sc.II Biotech (Ent.)	N. Chougale
58	*	Mane Utakarsha Gajendra	B.Sc.II Biotech (Ent.)	M. Mane
59		Patil Avdhut Mohan	B.Sc.II Biotech (Ent.)	
60		Chikhale Roshan Prakash	B.Sc.II Biotech (Ent.)	R. Chikhale
61	*	Korane Pratiksha Tanajui	B.Sc.II Biotech (Ent.)	P. Korane
62	*	Wadkar Shreya Sunil	B.Sc.II Biotech (Ent.)	S. Wadkar
63		Sharma Aaditya Navalkishor	B.Sc.II Biotech (Ent.)	A. Sharma
64	*	Namarata Dharmagonda Patil	B.Sc.II Biotech (Ent.)	N. Patil
65	*	Shweta Tanaji Patil	B.Sc.II Biotech (Ent.)	S. Patil
66	*	Aragu Rasika Ramesh	B.Sc.III Biotech (Ent.)	R. Aragu
67	*	Pujari Poonam Sukhadev	B.Sc.III Biotech (Ent.)	P. Pujari

Co ordinator

Head

Department of Biotechnology (Entire)
M. S. Kulkarni College, Kolhapur (Autonomous)

Department of Biotechnology

Date:- 06/05/2022

Notice

All the students of Add on Course on "**VAD 1611 Instrumentation in life Sciences**" are hereby informed that their final exam for theory and practical exam will be held on 09/05/2022.

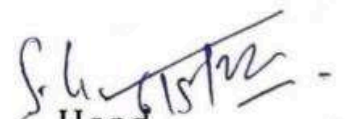
The schedule for the Examination:

Sr No	Particulars	Time
1.	Theory	03:00 pm to 04:00 pm
2.	Practicals	04:00 pm to 05:00pm



Co ordinator

Add- on Course


Head

Department of Biotechnology (Entire)
Vivekanand College, Kolhapur (Autonomous)

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

DEPARTMENT OF BIOTECHNOLOGY

ADD ON COURSE: "VAD -1611 INSTRUMENTATION COURSE IN LIFE SCIENCES"

EXAM -THEORY AND PRACTICAL

Q1 choose the correct alternative and mark the Answer:

= 40 marks

1. How does centrifugation work?
 - a) Through dripping particles
 - b) Through spinning
 - c) By keeping large particle in the center and smaller on the outside
 - d) By separating particles into different tubes
2. A primary objective of cell fractionation is _____.
 - a) to identify the enzymes outside the organelles.
 - b) to view the structure of cell membranes.
 - c) to separate the major organelles so their particular functions can be determined.
 - d) to determine the size of various organelles.
3. The electrodes used in pH measurement have which of the following internal resistances?
 - a) Very low resistance
 - b) Moderate resistance
 - c) Very high resistance
 - d) No resistance
4. _____ is used for mixing the chemically hazardous solutions in test tube.
 - a) Centrifuge
 - b) Vortex mixer
 - c) Magnetic stirrer
 - d) Microfuge
5. _____ is the instrument used for drawing out the exact amount of the solution such as acids, bases poisonous salts.
 - a) Hand Refractometer
 - b) Pipette
 - c) Auto pipettor
 - d) Micropipette
6. We can weigh any solids accurately by using _____.
 - a) Watch glass weighing balance
 - b) Digital Weighing Balance
 - c) Traditional balance
 - d) Manual balance

7. _____ types of scale are available in Clinical thermometer in India.
- a) Kelvin
 - b) Celsius
 - c) Fahrenheit
 - d) Pasacal
8. _____ instrument is used in the incubation of vials in molecular biology.
- a) Water bath
 - b) Dry Bath
 - c) Laminar
 - d) incubator
9. Colorimeter is based on _____ Law.
- a) Lamberts Beers Law
 - b) Braggs Law
 - c) Ohms law
 - d) Joules Law
10. Separation of protein on the basis of charge is the mechanism of _____.
- a) Ion Exchange chromatography
 - b) Affinity chromatography
 - c) Gel Filtration chromatography
 - d) Gas chromatography
11. In which type of chromatography, the stationary phase held in a narrow tube and the mobile phase is forced through it under pressure?
- a) Column chromatography
 - b) planar chromatography
 - c) Liquid chromatography
 - d) Gas chromatography
12. Which of the following is not a Column-type Liquid chromatography?
- a) Gel permeation
 - b) Ion exchange
 - c) Liquid-solid
 - d) Paper chromatography
13. Beer's law states that the intensity of light decreases with respect to _____.
- a) Concentration
 - b) Distance
 - c) Composition
 - d) Volume

14. Which of the following is the formula for pH calculation?

- a) $\log_{10}[\text{H}^+]$
- b) $-\log_{10}[\text{H}^+]$
- c) $\log_2[\text{H}^+]$
- d) $-\log_2[\text{H}^+]$

15. The higher the BOD _____

- a) the lower the water pollution
- b) the lesser the bacteria in it
- c) the more the water pollution
- d) the more the air pollution

16. _____ is the potentiometer which measures acidic basic and neutral nature of solutions

- a) conductometer
- b) refractometer
- c) colorimeter
- d) pH meter

17. _____ is used to measure sugar percent in breweries.

- a) conductometer
- b) refractometer
- c) colorimeter
- d) pH meter

18. _____ instrument is used for dialysis.

- a) Hot plate
- b) Cyclometer
- c) Shaker incubator
- d) Magnetic stirrer

19. _____ is used for heating of sample and chemical in COD experiment.

- a) Reflux unit
- b) Heating mantle
- c) Furnace
- d) Hot plate

20. _____ is used for determination of alcohol percentage in industry.

- a) COD bottle
- b) Flat bottom flask
- c) Conical flask
- d) Specific gravity bottle

21. _____ instrument works on the steam under pressure.
- a) Hot air Oven
 - b) Autoclave
 - c) Hot Plate
 - d) BOD incubator
22. _____ is a combination of mechanical part and optical part.
- a) Gel Doc
 - b) Compound microscope
 - c) UV Transilluminator
 - d) Digital balance
23. The apparatus required for blood cell counting is called _____.
- a) Haemocytometer
 - b) Haemodialysis
 - c) Haemourometer
 - d) Haemocylmeter
24. _____ is used for sterilization in hot air oven.
- a) Steam
 - b) Hot water
 - c) Dry heat
 - d) Moist heat
25. _____ is the optimum condition required for the sterilization in autoclave.
- a) 121 °c 15 lbs pressure 20 min
 - b) 120 °c 15 lbs pressure 20 min
 - c) 121 °c 15 lbs pressure 10 min
 - d) 121 °c 20 lbs pressure 20 min
26. _____ are the cabinet in which any desired temperature may be constantly maintained.
- a) Water bath
 - b) Incubator
 - c) Dry bath
 - d) Oven
27. _____ instrument is used to measure the bacterial growth (no of colonies) on plate.
- a) colony counter
 - b) Spectrophotometer
 - c) Refractometer
 - d) Colorimeter

28. _____ apparatus is required to visualize the DNA strand.

- a) Polyacrylamide gel electrophoresis
- b) Agarose Gel Electrophoresis
- c) Gel permeation Electrophoresis
- d) Thin Layer Electrophoresis

29. _____ is required for cryopreservation of biological sample.

- a) Freeze
- b) Deep freeze
- c) Liquid N₂
- d) Dry Methane

30. _____ is required for the analysis of the Electrophoreses DNA sample.

- a) U V Plate
- b) Protein Plate
- c) Gel Doc
- d) U V Chamber

31. _____ is the instrument required for amplification of Small DNA sample.

- a) PCR
- b) RCP
- c) PTR
- d) PUR

32. Name the term given to the ability of single cells to divide and produce all the differentiated cell in the organism?

- a) Unipotent
- b) Pluripotent
- c) Multipotent
- d) Totipotency

33. Mark the INCORRECT statement about agar, a gelling agent in plant tissue culture medium?

- a) Not digested by plant enzymes
- b) It does not use in micropropagation work
- c) It does not react with media constituents
- d) Remain stable at incubation temperature

34. _____ is the filter used in Laminar Air Flow.

- a) HEPAS
- b) PRHA
- c) HEPA
- d) LUX Filter

35. _____ is used for suspension culture.

- a) Rotatory shaker
- b) Shaker incubatory
- c) Shaker water bath
- d) Freeze

36. _____ is the amount of light required for the plant tissue culture.

- a) 2000-3000 Lux
- b) 3000-5000 Lux
- c) 1000-2000 Lux
- d) 15000-2500 Lux

37. The growth of explant in artificial media is called _____

- a) Gene expression
- b) Tran genesis
- c) Plant tissue culture
- d) Cell hybridization

38. _____ is used as surface sterilizer in PTC.

- a) Alcohol
- b) NaCl
- c) NaOH
- d) D/W

39. Proliferative and undifferentiated mass of cells is called as _____

- a) Clarigel
- b) Clarigar
- c) Callus
- d) Clone

40. _____ is the sterilization agent used in Laminar Air Flow.

- a) Gamma Ray
- b) Infra Ray
- c) Microwave
- d) UV Ray

Q2 Write the (any two) Principle, Working and Demonstration of following instrumentation? 10 marks

- (i) Gel Documentation
 - (ii) Laminar Air Flow
 - (iii) Cooling Centrifuge
 - (iv) Dialysis
 - (v) PCR
 - (vi) Autoclave
- *****

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

DEPARTMENT OF BIOTECHNOLOGY

Teaching Plan for Add on Course - "VAD-1611 INSTRUMENTATION
COURSE IN LIFE SCIENCES"

Practical Exam Question paper

Q1 Give the Demonstration, Explanation and Working of 1 of the following? = 50 Marks

1. PCR , M. D. Upape. / Ashutosh,
2. Digital Autoclave Anzor, Jadhav / Sourenti
3. Microscope S. G. Kulkarni / Nadaf.
4. Magnetic Stirrer Vaishnavi Aekar / Vinaya.
5. Laminar Air Flow P. D. Patil / Asmita

Vivekanand College, Kolhapur

Department of Biotechnology

Value Added Course

"Instrumentation Course in Life Sciences"

Exam Attendance

Sr. No.		Name of The Students	Class	Fees	Sign.
BATCH - A					
1	*	Ghule Uma Sanjay	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
2	*	Sawant Bramhali Vakil	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
3	*	Bhoite Pranali Pratapsinh	B.Sc.III Biotech (Ent.)	500	<i>[Signature]</i>
4	*	Rajguru Priyanka Dhanaji	B.Sc.III Biotech (Ent.)	500	<i>[Signature]</i>
5		Bedekar Pranav Anil	B.Sc.II Biotech (Ent.)	500	<i>[Signature]</i>
6	*	Chavan Pratiksha Ananda	B.Sc.II Biotech (Ent.)	500	<i>[Signature]</i>
7		Ghorpade Pritam Ramesh	B.Sc.II Biotech (Ent.)	500	<i>[Signature]</i>
8	*	Tahasildar Sanika Samrat	B.Sc.II Biotech (Ent.)	500	<i>[Signature]</i>
9	*	Awalkar Anchal Nandkumar	B.Sc.II Biotech (Ent.)	500	<i>[Signature]</i>
10	*	Kathare Sakshi Anil alias Atmaram	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
11	*	Bhosale Nisha Subhash	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
12	*	Shinde Sayali Yasheant	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
13	*	Patil Mrunal Babaso	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
14	*	Dhenge Janvi Shirish	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
15	*	Kole Sanika Uttam	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
16	*	Vedpathak Aditi Atul	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
17	*	Hajgude Sakshi Mukesh	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
18	*	Patil Gayatri Bhaurao	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
19	*	Patil Saloni Suhas	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
20	*	Jagatap Pratikshi Baban	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
21	*	Davkare Pooja Tatyaso	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
22	*	Dixit Sakshi Prasip	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
23		Kadam Aniket Balasaheb	B.Sc.II Biotech (Ent.)	500	<i>[Signature]</i>
24		Chogule Vrushabh Suresh	B.Sc.III Biotech (Ent.)	500	<i>[Signature]</i>
25	*	Kulkarni Aarya Dhanajay	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
26		Mane Mohit Sunil	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
27		Kadam Suraj Santosh	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
28		Patil Pruthviraj Amar	B.Sc.I Biotech (Ent.)	500	<i>[Signature]</i>
29	*	Potdar Arya Santosh	B.Sc.I Biotech (Ent.)	500	
30	*	Arab Jakiya AbdulMajid	B.Sc.II Biotech (Ent.)	500	<i>[Signature]</i>

BATCH -B

31	*	Siddhnaik Radhika Bapu	B.Sc.II Biotech (Ent.)	500	<i>R. S. S.</i>
32		Shirke Harshwardhan Dattatraya	B.Sc.II Biotech (Ent.)	500	<i>H. Shirke</i>
33	*	Kolekar Arya Ramchandra	B.Sc.II Biotech (Ent.)	500	<i>A. Kolekar</i>
34	*	Athanikar Sabira Nijam	B.Sc.II Biotech (Ent.)	500	<i>S. Athanikar</i>
35	*	Inamdar Varda Rahul	B.Sc.II Biotech (Ent.)	500	<i>V. Inamdar</i>
36	*	Deshpande Vaibhavi Harish	B.Sc.II Biotech (Ent.)	500	<i>V. Deshpande</i>
37		Gawade Chinamay Vijay	B.Sc.II Biotech (Ent.)	500	<i>C. Gawade</i>
38		Shinde Swanand Arun	B.Sc.II Biotech (Ent.)	500	<i>S. Shinde</i>
39	*	Patil Araya Vijay	B.Sc.II Biotech (Ent.)	500	<i>A. Patil</i>
40	*	Patil Vaishnavi Rajendra	B.Sc.II Biotech (Ent.)	500	<i>V. Patil</i>
41	*	Varute Ankita Ashwinkumar	B.Sc.II Biotech (Ent.)	500	<i>A. Varute</i>
42		Nalawade Saurabh Dattatrya	B.Sc.II Biotech (Ent.)	500	<i>S. Nalawade</i>
43	*	Parakr Siddhi Sunil	B.Sc.II Biotech (Ent.)	500	<i>S. Parakr</i>
44	*	Savardekar Vaishnavi Umesh	B.Sc.II Biotech (Ent.)	500	<i>V. Savardekar</i>
45	*	Kamble Ekata Hement	B.Sc.II Biotech (Ent.)	500	<i>E. Kamble</i>
46	*	Patil Divya Suresh	B.Sc.II Biotech (Ent.)	500	<i>D. Patil</i>
47	*	Surve Maithili Vikrant	B.Sc.II Biotech (Ent.)	500	<i>M. Surve</i>
48	*	Kamble Vaishnavi Ashok	B.Sc.III Biotech (Ent.)	500	<i>V. Kamble</i>
49	*	Chavn Mrunmayi Anil	B.Sc.III Biotech (Ent.)	500	<i>M. Chavn</i>
50	*	Alave Aarya Rajendra	B.Sc.II Biotech (Ent.)	500	<i>A. Alave</i>
51	*	Patil Anjali Rajendta	B.Sc.II Biotech (Ent.)	500	<i>A. Patil</i>
52		Shaikh Firas Dilawar	B.Sc.II Biotech (Ent.)	500	<i>F. Shaikh</i>
53	*	Kulkarni Gayatri Raghunath	B.Sc.II Biotech (Ent.)	500	<i>G. Kulkarni</i>
54	*	Shah Medinee Prasanna	B.Sc.II Biotech (Ent.)	500	<i>M. Shah</i>
55	*	Palkar Sharavari Maniksen	B.Sc.II Biotech (Ent.)	500	<i>S. Palkar</i>
56	*	Patil Rutuja Anandrao	B.Sc.II Biotech (Ent.)	500	<i>R. Patil</i>
57	*	Chougale Nikita Bharat	B.Sc.II Biotech (Ent.)	500	<i>N. Chougale</i>
58	*	Mane Utkarsha Gajendra	B.Sc.II Biotech (Ent.)	500	<i>U. Mane</i>
59		Patil Avdhut Mohan	B.Sc.II Biotech (Ent.)	500	<i>A. Patil</i>
60		Chikhale Roshan Prakash	B.Sc.II Biotech (Ent.)	500	<i>R. Chikhale</i>
61	*	Korane Pratiksha Tanajui	B.Sc.II Biotech (Ent.)	500	<i>P. Korane</i>
62	*	Wadkar Shreya Sunil	B.Sc.II Biotech (Ent.)	500	<i>S. Wadkar</i>
63		Sharma Aaditya Navalkishor	B.Sc.II Biotech (Ent.)	500	<i>A. Sharma</i>
64	*	Namarata Dharmagonda Patil	B.Sc.II Biotech (Ent.)	500	<i>N. Patil</i>
65	*	Shweta Tanaji Patil	B.Sc.II Biotech (Ent.)	500	<i>S. Patil</i>
66	*	Aragu Rasika Ramesh	B.Sc-III Biotech (Ent)	500	<i>R. Aragu</i>
67	*	Pujari Poonam Sukhadev	B.Sc-III Biotech (Ent)	500	<i>P. Pujari</i>


Co ordinator


Head
Department of Biotechnology (Entire)
Vivekanand College, Kolhapur (Autonomous)

Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur
Department of Biotechnology
Value Added Course
"Instrumentation Course in Life Sciences"
Practical Mark List

Sr. No.	Name of The Students	Class	Marks out of 50 Practical	Marks out of 50 Theory	Total out of 100
BATCH -A					
1	* Ghule Uma Sanjay	B.Sc I Biotech (Ent.)	40	30	70
2	* Sawant Bramhali Vakil	B.Sc I Biotech (Ent.)	30	24	54
3	* Bhoite Pranali Pratapsinh	B.Sc III Biotech (Ent.)	30	35	65
4	* Rajguru Priyanka Dhanaji	B.Sc III Biotech (Ent.)	42	25	67
5	Bedekar Pranav Anil	B.Sc II Biotech (Ent.)	40	25	65
6	* Chavan Pratiksha Ananda	B.Sc II Biotech (Ent.)	25	28	53
7	Ghorpade Pritam Ramesh	B.Sc I Biotech (Ent.)	25	30	55
8	* Tahasildar Sanika Samrat	B.Sc II Biotech (Ent.)	25	31	56
9	* Awalkar Anchal Nandkumar	B.Sc II Biotech (Ent.)	32	35	67
10	* Kathare Sakshi Anil alias Atmaram	B.Sc I Biotech (Ent.)	40	29	69
11	* Bhosale Nisha Subhash	B.Sc I Biotech (Ent.)	20	29	49
12	* Shinde Sayali Yasheant	B.Sc I Biotech (Ent.)	27	25	52
13	* Patil Mrunal Babaso	B.Sc I Biotech (Ent.)	20	18	38
14	* Dhenge Janvi Shirish	B.Sc I Biotech (Ent.)	40	20	60
15	* Kole Sanika Uttam	B.Sc I Biotech (Ent.)	28	28	56
16	* Vedpathak Aditi Atul	B.Sc I Biotech (Ent.)	40	22	62
17	* Hajgude Sakshi Mukesh	B.Sc I Biotech (Ent.)	28	26	54
18	* Patil Gayatri Bhaurao	B.Sc I Biotech (Ent.)	20	23	43
19	* Patil Saloni Suhas	B.Sc I Biotech (Ent.)	45	32	77
20	* Jagatap Pratikshi Baban	B.Sc I Biotech (Ent.)	30	39	69
21	* Davkare Pooja Tatyaso	B.Sc I Biotech (Ent.)	30	22	52
22	* Dixit Sakshi Prasip	B.Sc I Biotech (Ent.)	30	33	63
23	Kadam Aniket Balasaheb	B.Sc II Biotech (Ent.)	48	41	89
24	Chogule Vrashab Suresh	B.Sc II Biotech (Ent.)	35	34	69
25	* Kulkarni Aarya Dhanajay	B.Sc I Biotech (Ent.)	40	30	70
26	Mane Mohit Sunil	B.Sc I Biotech (Ent.)	38	28	66
27	Kadam Suraj Santosh	B.Sc I Biotech (Ent.)	42	30	72
28	Patil Pruthviraj Amar	B.Sc I Biotech (Ent.)	20	31	51
29	* Potdar Arya Santosh	B.Sc I Biotech (Ent.)	Ab	Ab	Ab
30	* Arab Jakiya AbdulMajid	B.Sc II Biotech (Ent.)	30	23	53

BATCH -B				Prac	Theory	Total
31	*	Siddhnaik Radhika Bapu	B.Sc II Biotech (Ent.)	30	27	57
32		Shirke Harshwardhan Dattatraya	B.Sc II Biotech (Ent.)	30	37	67
33	*	Kolekar Arya Ramchandra	B.Sc II Biotech (Ent.)	44	29	73
34	*	Athanikar Sabira Nijam	B.Sc II Biotech (Ent.)	35	30	65
35	*	Inamdar Varda Rahul	B.Sc II Biotech (Ent.)	35	24	59
36	*	Deshpande Vaibhavi Harish	B.Sc II Biotech (Ent.)	25	28	53
37		Gawade Chinamay Vijay	B.Sc II Biotech (Ent.)	25	24	49
38		Shinde Swanand Arun	B.Sc II Biotech (Ent.)	34	31	65
39	*	Patil Araya Vijay	B.Sc II Biotech (Ent.)	25	21	46
40	*	Patil Vaishnavi Rajendra	B.Sc II Biotech (Ent.)	20	27	47
41	*	Varute Ankita Ashwinkumar	B.Sc II Biotech (Ent.)	48	31	79
42		Nalawade Saurabh Dattatrya	B.Sc II Biotech (Ent.)	25	23	48
43	*	Parakr Siddhi Sunil	B.Sc II Biotech (Ent.)	42	29	71
44	*	Savardekar Vaishnavi Umesh	B.Sc II Biotech (Ent.)	30	36	66
45	*	Kamble Ekata Hement	B.Sc II Biotech (Ent.)	30	43	73
46	*	Patil Divya Suresh	B.Sc II Biotech (Ent.)	35	31	66
47	*	Surve Maithili Vikrant	2 B.Sc II Biotech (Ent.)	48	36	84
48	*	Kamble Vaishnavi Ashok	B.Sc III Biotech (Ent.)	40	37	77
49	*	Chavn Mrunmayi Anil	B.Sc III Biotech (Ent.)	48	39	87
50	*	Alave Arya Rajendra	B.Sc II Biotech (Ent.)	25	38	63
51	*	Patil Anjali Rajendta	B.Sc II Biotech (Ent.)	35	29	64
52		Shaikh Firas Dilawar	B.Sc II Biotech (Ent.)	40	28	68
53	*	Kulkarni Gayatri Raghunath	B.Sc II Biotech (Ent.)	44	44 35	79
54	*	Shah Medinee Prasanna	1 B.Sc II Biotech (Ent.)	38 45	38	83
55	*	Palkar Sharavari Maniksen	B.Sc II Biotech (Ent.)	30	34	64
56	*	Patil Rutuja Anandrao	B.Sc II Biotech (Ent.)	25	32	57
57	*	Chougale Nikita Bharat	B.Sc II Biotech (Ent.)	20	25	45
58	*	Mane Utkarsha Gajendra	B.Sc II Biotech (Ent.)	30	30	60
59		Patil Avdhut Mohan	B.Sc II Biotech (Ent.)	45	34	79
60		Chikhale Roshan Prakash	B.Sc II Biotech (Ent.)	40	35	75
61	*	Korane Pratiksha Tanajui	B.Sc II Biotech (Ent.)	40	28	68
62	*	Wadkar Shreya Sunil	B.Sc II Biotech (Ent.)	30	35	65
63		Sharma Aaditya Navalkishor	B.Sc II Biotech (Ent.)	37	32	69
64	*	Namarata Dharmagonda Patil	B.Sc II Biotech (Ent.)	40	34	74
65	*	Shweta Tanaji Patil	B.Sc II Biotech (Ent.)	32	27	59
66	*	Aragu Rasika Ramesh	B.Sc-III Biotech (Ent)	42	32	74
67	*	Pujari Poonam Sukhadev	B.Sc-III Biotech (Ent)	35	27	62

Co ordinator

Head

Head

Department of Biotechnology (Optional)
Vivekanand College, Kolhapur (Autonomous)

Department of Biotechnology (Entire)
Vivekanand College, Kolhapur (Autonomous)

**Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College (Autonomous), Kolhapur
Department of Biotechnology
Add on Course (2021-2022)**

MARK LIST

Name of the Course: - "VAD - 1611 Instrumentation Course in Life Sciences"

Name of Student: Mr. Chougule Vrushbh Suresh .

Class: B.Sc. Biotechnology (Entire) .

	Theory	Practical	Grand Total	Percentage (%)
Maximum Marks	50	50	100	69 %
Passing Head	18	18	36	
Marks Obtained	34	35	69	

Co ordinator



Principal
PRINCIPAL
Vivekanand College
Kolhapur.



"Education for Knowledge, Science and Culture"
Shikshanmaharshi Dr. Bapuji Salunkhe



Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR. (Autonomous)

NAAC Reaccredited : "A" (CGPA 3.24), College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India, ISO: 9001-2015

CERTIFICATE

This is to certify that Mr/Ms. Chougule Vrushbh Suresh of B. Sc.
I/II/III Biotechnology (Entire) has passed the Value Added Course
"VAD -1611 Instrumentation Course in Life Science" in the Month of
March / April, year 2021 -2022. The said certificate has been issued to him / her after
qualifying the Add-On Course Exam in Theory and Practical at Department of
Biotechnology, Vivekanand College, Kolhapur (Autonomous).

The Testimonials, whereof, are at the seal of the college and the signatures of the
co-ordinator and the Principal of the said college.

Co-ordinator



Principal

दिनांक . 07 . 06 . 2022

प्रति,
मा . प्राचार्य,
विवेकानंद कॉलेज (स्वायत्त),
कोल्हापूर .

विषय : स्मार्टरूम मिळणे बाबत . . .

महोदय,

उपरोक्त विषयानुसार बायोटेक्नॉलॉजी विभागाची COC कोर्सची सर्टीफिकेट वितरण समारंभ कार्यक्रम दिनांक 8/ 6/ 2022 रोजी आहे तरी सदर कार्यक्रमासाठी रूम नं. 13 दुपारी 3 ते 4 या वेळेत मिळावी ही विनंती .

कळावे,

आपला विश्वासू

प्रा . एस . जी . कुलकर्णी
Head

Department of Biotechnology (Entire)
Vivekanand College, Kolhapur (Autonomous)

Room no. 19

दिनांक

04

7/6/2022

PS

7.6.22



“Education for Knowledge, Science and Culture”
-Shikshanmaharshi Dr. Bapuji Salunkhe
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)

**INTERNAL QUALITY ASSURANCE
CELL**

2021-22

Basic Beauty Parlour Certificate Course



1. **Name of Department:** Home Science
2. **Name of Organized Activity:** Certificate Course in Basic Beauty Parlour
3. **Date/ Duration:** 18 April 22 To 11 May 22
4. **Aims and Objectives:** 1) To get basic knowledge of Beauty Parlour.
2) Helping student to become self reliant and promote entrepreneurship in the Beauty Parlour.
5. **No. of beneficiaries:** Students-13
6. **Expenditure & funding agency:/collaborators:** N.A

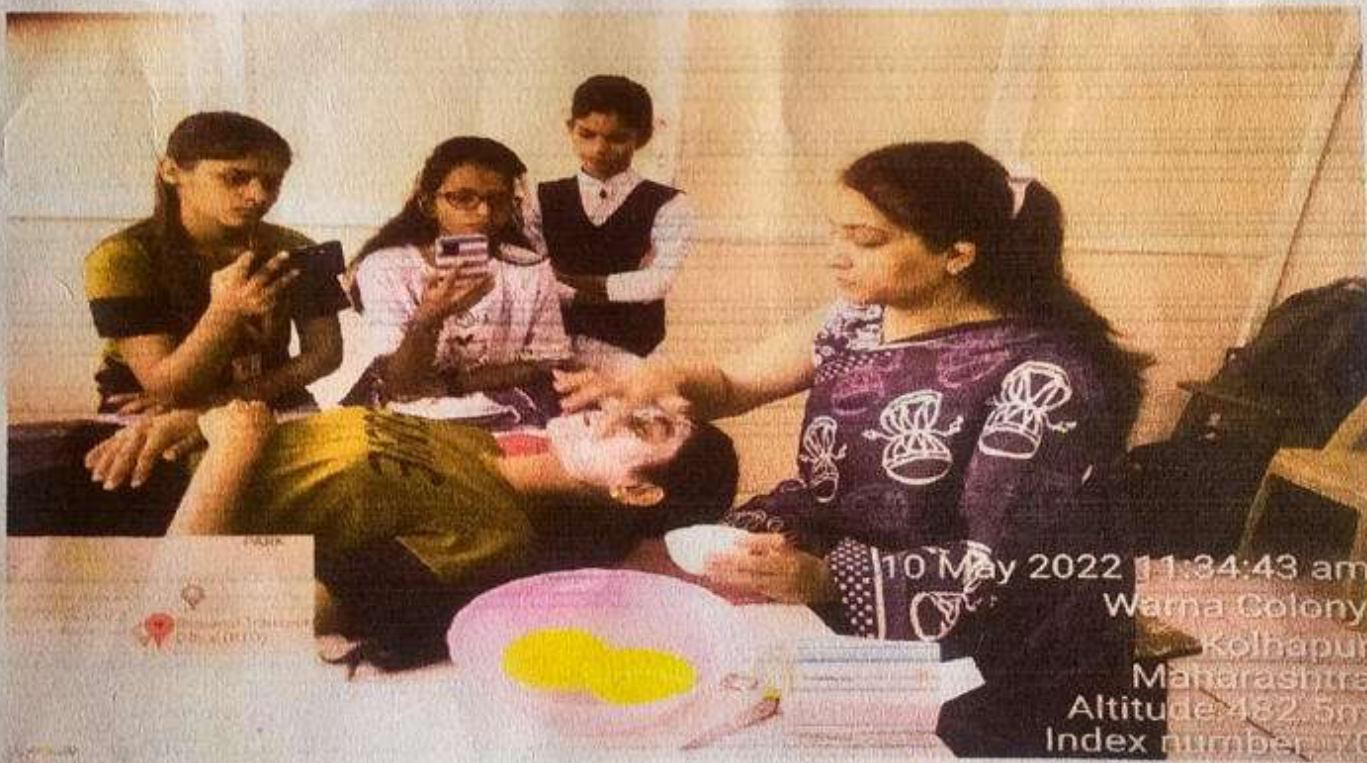
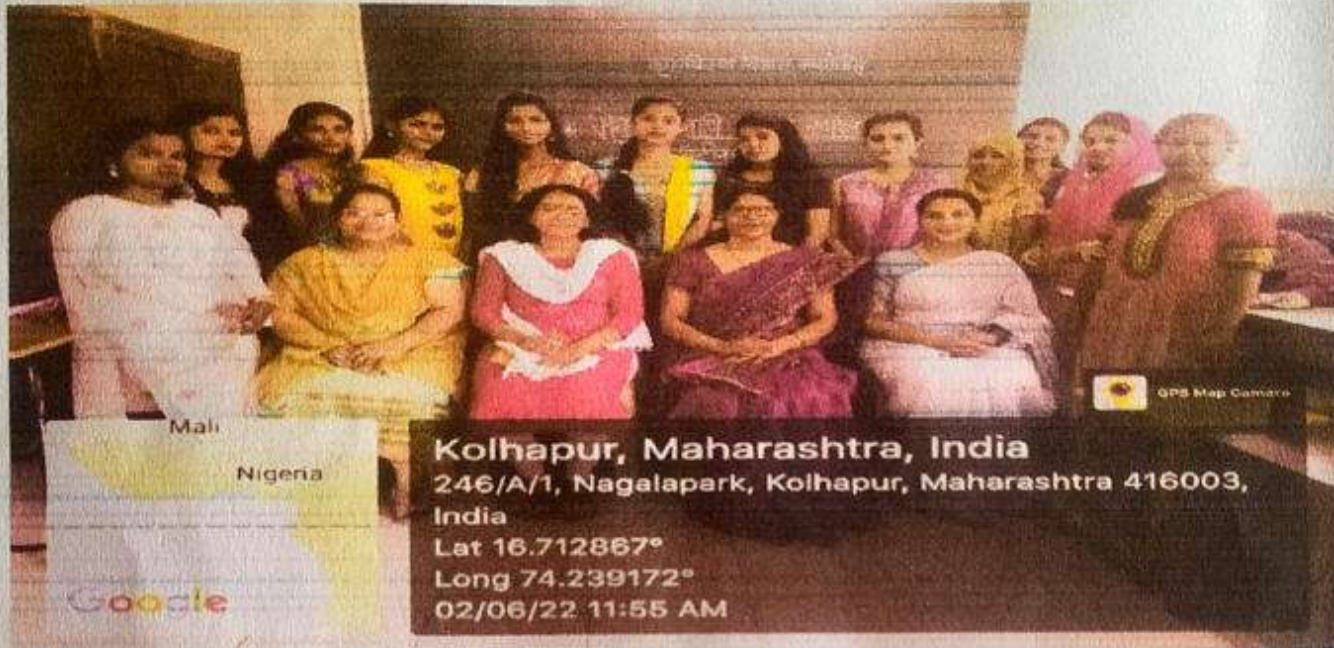
7. Brief description:

The Basic Beauty Parlour Certificate Course was jointly conducted by Home Science Department and IQAC from 18th April to 11th May 2022. Mrs. Swarupa Shete was trainer for this certificate course. 13 students took admission for this course. The course was guided and assisted by Principal Dr. R.R. Kumbhar, IQAC coordinator Dr. Shruti Joshi, Head of Home Science Department Ms. Urmila Khot and Ms. Sai Patil was coordinator of this course.

8. Outcomes : 1) Participating students learned how to do makeup and hairstyle.

2) Students understand how they can become self reliant.

9. Photo



10. Signatures of coordinator/ organizer: Sai Patil

[Signature]
Head of the
Department of Home Science
Vivekanand College Kolhapur

[Signature]
PRINCIPAL
Vivekanand College
Kolhapur

"ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार"

- शिक्षणमहर्षी डॉ. बापूजी साळुंखे

श्री स्वामी विवेकानंद शिक्षण संस्थेचे
विवेकानंद कॉलेज कोल्हापूर (स्वायत्त)

गृहविज्ञान विभाग आणि अंतर्गत गुणवत्ता हमी कक्ष (IQAC) यांच्या
संयुक्त विद्यमाने.

बेसिक ब्युटी पार्लर

सर्टिफिकेट कोर्स



कालावधी

४ एप्रिल - ११ मे

२०२२

प्रवेश सुरु

अभ्यासक्रम

- स्किन अॅनाटॉमी
- ब्लिचिंग फेशियल
- डे आणि इव्हनिंग मेकअप
- हेअर केअर आणि स्टाईल
- वॅक्सिंग मॅनिच्युअर पेडिक्युअर इत्यादी

कोर्सची वैशिष्ट्ये

- तज्ञ व अनुभवी मार्गदर्शक
- थेअरी आणि प्रॅक्टिकल
- वैयक्तिक मार्गदर्शन

प्राचार्य

डॉ आर. आर. कुंभार

संपर्क -

उर्मिला खोत - 9552572013 सई पाटील - 9560577569

“Education for knowledge, Science and Culture”

Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

Syllabus

Certificate Course in Basic Beauty Parlour

Course Outcome Student will be able to

- 1) understand the Principles of Beauty treatment
- 2) understand the basic and modern styles of beauty
- 3) learned how to do Makeup and Hairstyle
- 4) understand how they can become self-reliant

Course Contain (Theory and Practical's)

- 1) Skin Anatomy
- 2) Makeup- Day& Evening makeup
- 3) Hair Style –5 types
- 4) Waxing
- 5) Manicure
- 6) Pedicure
- 7) Face Bleaching
- 8) Face Cleanup & Facials
- 9) Head Massage
- 10) Mahanadi Application
- 11) Hair Colour Application
- 12) Thranding

“ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षण प्रसार”
-शिक्षणमहर्षी डॉ. वापूजी साळुंखे

विवेकानंद कॉलेज (स्वायत्त), कोल्हापूर
गृहविज्ञान विभाग

नोटीस

No: NB/1148/2021-22
दिनांक - 21.03.2022

महाविद्यालयातील सर्व विद्यार्थिना कळविणेत येते की, गृहविज्ञान विभाग व अंतर्गत गुणक्ता हमी कक्ष (IQAC) यांच्या संयुक्त विद्यमाने 'बेसिक ब्युटी पार्लर सर्टिफिकेट कोर्स' घेण्यात येणार आहे कोर्सचा कालावधी हा एक महिन्याचा असेल व तो 4 एप्रिल 2022 ते 11 मे 2022 या कालवधीत होईल तरी सदर कोर्ससाठी इच्छुक विद्यार्थिनीनी अधिक माहिती करीता शुक्रवार दि. 25.03.2022 रोजी 10.45 वाजता रूम नं 50 गृहविज्ञान विभाग मध्ये एकत्रित यावे.

आपला विश्वासू



डॉ. आर. आर. कुंभार

प्राचार्य

विवेकानंद कॉलेज

कोल्हापूर

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

Certificate Course in Beauty Parlour

Enrolled Student LIST : 2021 - 22

Sr. NO	NAME OF THE STUDENTS
1	Miss. Kajal Pratap Jadhav
2	Miss. Tejaswini Bhagwan Kamble
3	Miss. Yogita Alok Koli
4	Miss. Vishakha Dilip Katkar
5	Miss. Chetana Thakararam Rangi
6	Miss. Aishwarya Suresh Bagane
7	Miss. Juveriya Dastgir Fakir
8	Miss. Smruti Shivaji Kamble
9	Miss. Priya Motes D'souza
10	Miss. Saima dastagir Mullani
11	Miss. Katyayani Vinayak Lingam
12	Miss. Shila Thavaru Jadhav
13	Miss. Snehal Bhausheb Hasure



Mrs. U. S. Khot
Head of the
Department of Home Science
Vivekanand College, Kolhapur

Personal Beauty Course 2021 -22

Month : April -2021-22

Students Attendance

Sr.No	Student Name	Class	18	19	20	21	22	23	25	26	27	28	29	30
1	Miss. JADHAV KAJAL PRATAP	Kajal	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
2	Miss. KAMBLE TEJASWINI BHAGWAN	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej
3	Miss. KOLI YOGITA ALOK	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli
4	MISS. KATKAR VISHAKHA DILIP	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli	YKoli
5	Miss. RANGI CHETANA THAKARAM	B.com I	Rangi	Rangi	Rangi	Rangi	Rangi	Rangi	Rangi	Rangi	Rangi	Rangi	Rangi	Rangi
6	Miss. BAGANE AISHWARYA SURESH	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya
7	Miss. FAKIR JUVERIYA DASTGIR	J.D.f	J.D.f	J.D.f	J.D.f	J.D.f	J.D.f	J.D.f	J.D.f	J.D.f	J.D.f	J.D.f	J.D.f	J.D.f
8	Miss. KAMBLE SMRUTI SHIVAJI	B.Com I	Smruti	Smruti	Smruti	Smruti	Smruti	Smruti	Smruti	Smruti	Smruti	Smruti	Smruti	Smruti
9	MISS. D'SOUZA PRIYA MOTES	BSC-3rd	P.M.D'SOUZA	P.M.D'SOUZA	P.M.D'SOUZA	P.M.D'SOUZA	P.M.D'SOUZA	P.M.D'SOUZA	P.M.D'SOUZA	P.M.D'SOUZA	P.M.D'SOUZA	P.M.D'SOUZA	P.M.D'SOUZA	P.M.D'SOUZA
10	MISS. MULLANI SAIMA DASTAGIR	Smullani	Smullani	Smullani	Smullani	Smullani	Smullani	Smullani	Smullani	Smullani	Smullani	Smullani	Smullani	Smullani
11	MISS. LIGAM KATYAYANI VINAYAK	KULINGAM	Kulingam	Kulingam	Kulingam	Kulingam	Kulingam	Kulingam	Kulingam	Kulingam	Kulingam	Kulingam	Kulingam	Kulingam
12	MISS. JADHAV SHILA THAVARU	Hadhu	Hadhu	Hadhu	Hadhu	Hadhu	Hadhu	Hadhu	Hadhu	Hadhu	Hadhu	Hadhu	Hadhu	Hadhu
13	MISS. HASURE SNEHAL BHUSAHEB	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure

[Signature]

Head of the
Department of Home Science
Vivekanand College, Kolhapur

Personal Beauty Course 2021-22

Month : May -2021-22
Students Attendance

Sr.No	Student Name	Class	2.5.22	4.5.22	5.5.22	6.5.22	7.5.22	9.5.22	10.5.22	11.5.22
1	Miss. JADHAV KAJAL PRATAP	Art & Craft	Present	Present	Present	Present	Present	Present	Present	Present
2	Miss. KAMBLE TEJASWINI BHAGWAN	English	Present	Present	Present	Present	Present	Present	Present	Present
3	Miss. KOLI YOGITA ALOK	Arts	Present	Present	Present	Present	Present	Present	Present	Present
4	MISS. KATKAR VISHAKHA DILIP	B.A.II	Present	Present	Present	Present	Present	Present	Present	Present
5	Miss. RANGI CHETANA THAKARARAM	B.Com I	Present	Present	Present	Present	Present	Present	Present	Present
6	Miss. BAGANE AISHWARYA SURESH	Arts	Present	Present	Present	Present	Present	Present	Present	Present
7	Miss. FAKIR JUVERIYA DASTGIR	J.D.F	Present	Present	Present	Present	Present	Present	Present	Present
8	Miss. KAMBLE SMRUTI SHIVAJI	B.Com I	Present	Present	Present	Present	Present	Present	Present	Present
9	MISS. D'SOUZA PRIYA MOTES	B.Sc 2nd	Present	Present	Present	Present	Present	Present	Present	Present
10	MISS. MULLANI SAIMA DASTAGIR	Arts	Present	Present	Present	Present	Present	Present	Present	Present
11	MISS. LIGAM KATYAYANI VINAYAK	Arts	Present	Present	Present	Present	Present	Present	Present	Present
12	MISS. JADHAV SHILA THAVARU	Arts	Present	Present	Present	Present	Present	Present	Present	Present
13	MISS. HASURE SNEHAL BHUSAHEB	Arts	Present	Present	Present	Present	Present	Present	Present	Present

Head of the
Department of Home Science
Vivekanand College, Kolhapur

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE KOLHAPUR (Autonomous)

Certificate Course in Beauty Parlour

Batch - 2021-22

Department of Home Science

Subject Teacher : Miss. S. G. Shetye

Month	April 2021-22									
Day	MON	TUE	WED	THU	Fri	SAT	MON	TUE	WED	THU
Date	18.4.22	19.4.22	20.4.22	21.4.22	22.4.22	23.4.22	25.4.22	26.4.22	27.4.22	28.4.22
Sign	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>

Month	April/ May 2021-22									
Day	Fri	SAT	Mom	Wed	TUE	Fri	SAT	Mom	TUE	wed
Date	29.4.22	30.4.22	2.5.22	4.5.22	5.5.22	6.5.22	7.5.22	9.5.22	10.5.22	11.5.22
Sign	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>	<u>S.G.S</u>

Mrs. U. S. Khot

Head of the

Department of Home Science
Vivekanand College, Kolhapur

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

CERTIFICATE COURSE IN BASIC BEAUTY PARLOUR

Result - 2021-22

Sr. NO	NAME OF THE STUDENTS	Grade
1	Miss. Kajal Pratap Jadhav	A
2	Miss. Tejaswini Bhagwan Kamble	A
3	Miss. Yogita Alok Koli	A+
4	Miss. Vishakha Dilip Katkar	A
5	Miss. Chetana Thakararam Rangi	A
6	Miss. Aishwarya Suresh Bhgane	A
7	Miss. Juveriya Dastgir Fakir	A
8	Miss. Smruti Shivaji Kamble	A
9	Miss. Priya Motes D'souza	B+
10	Miss. Saima Dastagir Mullani	A
11	Miss. Katyayani Vinayak Ligam	B+
12	Miss. Shila Thavaru Jadhav	A
13	Miss. Snehal Bhausahab Hasure	B+

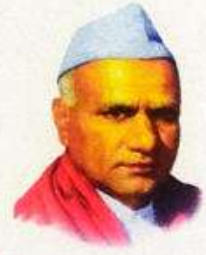
Sai Patil



Head of the
Department of Home Science
Vivekanand College, Kolhapur



“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षणप्रसार”
- शिक्षणमहर्षी प.पू. डॉ. बापूजी साळुंखे
Shri Swami Vivekanand Shikshan Sanstha's



VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

DEPARTMENT OF HOME SCIENCE
&
IQAC

Certificate

Shri./Smt. _____

attended _____ Course

held from _____ to _____

at our college & completed it successfully in _____

Grade.

Ms. Sai Patil
Co-ordinator
Certificate Course
in Basic Beauty Parlor

Ms. Urmila Khot
Head
Department of
Home Science

Dr. Shruti Joshi
IQAC Co-ordinator

Dr. R.R. Kumbhar
Principal

1

**Certificate Course in
INFORMATION AND COMPUTER BASICS**

SYLLABUS

Theory 140 Hrs.
Paper 1 : Computer Fundamentals and Network Hrs

- 1. Computer Fundamentals 10
Data representation, Data Types, representing Data, Hardware concepts, Main memory, Input and Output in computer.
- 2. Computer Software 10
Operating Systems : definition, Evolution, Components.
Algorithm : Concepts.
Programming Languages : Evolution
Data structures and Abstract Data structures (Definitions only)
- 3. MS office Suit 30
Contents of "My Computer"
MS World
MS Excel
MS Power Point
- 4. Computer Network 10
Networks, OSI Model, Types of Networks (LAN, MAN, WAN),
Connecting Devices, Repeaters, Bridges, Routers,
Gateways, Internet and TCP/IP
- 5. Number Representation 10
Decimal and binary, Conversions, Integer Representation, Floating point representation, Hexadecimal and octal conversions, Arithmetic operations Logical Operation.

Paper 2 : Internet, Database and C language Hrs

- 1. Working of Internet and E mail 6
Working of Internet
Internet and account and Addressing
Electronic Mail : What is E-Mail, Mail Transfer Protocol, Mail Servers, E-Mail addresses, Structure of E-Mail, Voice Mail and Video Mails operations Logical operation
- 2. Internet Technology 6
WWW : Types of Web site, Web pages and Links, URL, Web Server and Proxy Server, Visiting websites, Search engines
Building Web sites: HTML tags, Multimedia in Web site
Hyper links and frames
- 3. Microsoft Access 18
Creating databases, Building Database Tables, Sorting and filtering data

4. Programming in C
 Foundation of C
 Decision control Structure, Loop control, Case,
 Function, Array
 String Manipulation, Structures and pointers 30
5. Files and I/O in C
 Files Structures
 Files Manipulation 10

Practical
 Paper 1

60 Hrs

1. Observing and connecting computer peripherals
2. Observing motherboard and system setup utilities.
3. Installing an Operating system.
4. Exploring "My computer", Control panel
5. Creating, Editing and Formatting text in 'MS Word'.
6. Laying out and Designing in 'MS Word'
7. Tables and Printing in 'MS Word'.
8. Mail merge and Envelop in 'MS Word'.
9. Creating, Editing and Formatting workbook in 'MS Excel'.
10. Using Formulas and Functions and 'MS Excel'.
11. Adding charts and macros in 'MS Excel'.
12. Creating and customizing presentation in 'Power Point'
13. Charts and Drawing in 'Power Point'.
14. Slide shows and presentation in 'Power Point'
15. Networking in Windows.

Paper 2

1. To E-Mail and Searching info on web search engines.
2. Creating database and Tables.
3. Creating and Running queries.
4. Using forms.
5. Using Reporting tools
6. Writing a program in C that uses 'if---else' decision structure.
7. Writing a program in C that uses 'While' loop structure
8. Writing a program in C that uses 'For' loop structure
9. Writing a program in C that uses 'Switch ----case' statement
10. Writing a program in C that uses Function calling methods.
11. Writing a program in C that uses Structure.
12. Writing a program in C that counts characters, spaces, tabs and new line in a file
13. Creating a file copy program in C
14. Writing a program in C that writes a vfp string into a file and also displays a String from a file.
15. Designing a web page having a table with a picture and a animation as content of the Table.

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR(AUTONOMOUS)
 UGC Recognized Career Oriented Course
SHIVAJI UNIVERSITY, KOLHAPUR
 Certificate Course in Information & Computer Basics Year : 2021-2022

Total Admission List 2021-2022

Sr. No.	Roll No.	Student Name	Class	Mother's Name	Cast	Mobile No	HSC Marks	Total Amount	Receipt No	Date
1	1	KAMBLE MRUNALI SHAHAJI	BSc II	VARSHA	SC	8766785691	52.77	1000	1392	6.12.2021
2	2	* PATIL SHIVANI SIDGONDA	BSc II	SANGITA	OPEN	7517212588	88.77	1000	1393	6.12.2021
3	3	* PATIL PORNIMA YUVRAJ	BSc II	PADMAVATI	OPEN	9075896060	50.77	1000	1394	6.12.2021
4	4	* PATIL SHIVANI PRAKASH	BSc II	SUVARNA	OPEN	8698322330	70.31	1000	1395	8.12.2021
5	5	* WAGHMARE RUTUJA PANDIT	BSc II	ASHA	SC	8530975877	64.31	1000	1396	8.12.2021
6	6	* TODAKAR SHVETA SHASHIKANT	BSc II	SWATI	OBC	9579558309	59.30	1000	1397	8.12.2021
7	7	MACHHALE ABHISHEK UMAKANT	BA I	ARCHANA	VJNT	8380832089	66.33	1000	1398	10.12.2021
8	8	* GHATAGE SUBODH BHASKAR	BA III	SHEELA	SC	9689215762	55.00	1000	1399	10.12.2021
9	9	* VHARAMBALE RUTUJA RAJENDRA	BSc I	ROHINI	OPEN	9011246638	73.50	1000	1400	11.12.2021
10	10	* KORE SHUBHAM SHASHIKANT	BSc II	SANJIVANI	OBC	9860037007	60.00	1000	1451	13.12.2021
11	11	PATIL AISHWARYA YASHWANT	BSc I	ASHWINI	OPEN	8208973533	74.50	1000	1452	13.12.2021
12	12	* DHUMAL KESHAV GAJANAN	BSc I	ARUNA	OPEN	8459566744	68.67	1000	1453	13.12.2021
13	13	* CHOUGULE PRATHMESH VJAYKUMAR	BSc II	ARCHANA	OPEN	7218244097	55.08	1000	1454	13.12.2021
14	14	* INGALE SHREYASH RAMESH	BSc II	RANI	OPEN	7057174747	69.54	1000	1455	13.12.2021
15	15	* POWAR SAYALI SHRIKANT	BSc II	BHARATI	OPEN	8806792450	78.31	1000	1456	13.12.2021
16	16	* PATIL GAYATRI ANANDA	BSc II	LATA	OPEN	9028730295	71.54	1000	1457	13.12.2021
17	17	VIBHUTE VIDIRA RAJARAM	BSc II	DIPALI	OBC	9284851669	72.31	1000	1458	13.12.2021
18	18	* AMBARDEKAR SIDDIKA FIROJKHAN	BSc II	FARJANA	OPEN	9511692781	80.15	1000	1459	13.12.2021
19	19	* PATIL APEKSHA BHUJAGONDA	BSc II	ARCHANA	OPEN	9309169086	65.08	1000	1460	14.12.2021
20	20	* PATOLE VAIBHAVI SANJAY	BA II	SAMPADA	OPEN	8237837232	68.31	1000	1461	14.12.2021
21	21	* KAGUDE DARSHAN SANJAY	BSc I	SAVITA	OBC	9607841538	80.33	1000	1462	15.12.2021
22	22	MANE SAMRUDDHI RAMESH	BA II	MAHADEVI	SC	9552651947	84.31	1000	1463	15.12.2021
23	23	* CHAVAN KOMAL PRAKASH	BSc II	DIPALI	OPEN	9503986658	70.15	1000	1464	15.12.2021
24	24	* PANDHARPATTE SIDDHI MOHAN	BSc II	RUPALI	SBC	8421336899	60.92	1000	1465	15.12.2021
25	25	* CHAVAN DHANSHRI POPAT	BSc II	RUPALI	OPEN	8767349202	78.15	1000	1466	15.12.2021
26	26	* NIKAM HARSHAVARDHAN ASHOK	BSc I	VAISHNAVI	OPEN	8208813612	87.83	1000	1467	15.12.2021
27	27	* SWAMI APURVA GAJANAN	BA II	RANI	OPEN	9765362363	86.77	1000	1468	15.12.2021
28	28	* PATIL SAYALI SAMPAT	BSc I	SAVITA	OPEN	7709116191	87.83	1000	1469	15.12.2021
29	29	* WAWARE SHIVANJALI SANJAY	BSc I	KAVITA	NTC	9370772490	91.67	1000	1470	15.12.2021
30	30	PATIL AKSHATA ASHOK	BSc I	ARCHANA	OPEN	9112771248	81.33	1000	1471	15.12.2021
31	31	BHOSALE ASLESHIYA DHANAWANT	BSc I	ARCHANA	OPEN	7012298232	98.68	1000	1472	15.12.2021
32	32	PENDHARI SAMIR BAKSH	BSc I	MAMTAJ	OPEN	7840951654	79.83	1000	1473	15.12.2021
33	33	PATIL SHRUTI SANDIP	BSc I	SAVITA	OPEN	9822019014	69.83	1000	1474	15.12.2021
34	34	* TANUGADE GAURI BHAUSO	BSc I	SANGITA	OPEN	8625936671	81.67	1000	1475	15.12.2021
35	35	PATIL TEJAS SUNIL	BSc I	VIDYA	OPEN	9008644200	81.33	1000	1476	15.12.2021

41

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR(AUTONOMOUS)
UGC Recognized Career Oriented Course
SHIVAJI UNIVERSITY, KOLHAPUR
Certificate Course in Information & Computer Basics Year : 2021-2022

Total Admission List 2021-2022

Sr. No.	Roll No.	Student Name	Class	Mother's Name	Cast	Mobile No	HSC Marks	Total Amount	Receipt No	Date
36	36	* KHOPADE VAISHNAVI PRAKASH	BSc I	JYOTI	OPEN	7378729643	90.50	1000	1477	15.12.2021
37	37	* KUMBHAR SUPRIYA KRISHNAT	BSc I	SAVITA	OBC	8767280845	76.23	1000	1478	16.12.2021
38	38	* PAWAR VAISHNAVI SUBHASH	BSc I	SHILPA	OPEN	7249840399	77.00	1000	1479	16.12.2021
39	39	* SHINDE SANIKA PRABHAKAR	BSc II	ROHINI	SC	9970803443	61.85	1000	1480	16.12.2021
40	40	* PATIL SHWETA BANDU	BSc II	REKHA	OPEN	9765363460	62.00	1000	1481	16.12.2021
41	41	* BOTE PRAJAKTA SHANTINATH	BSc II	VAISALI	OPEN	8766759201	68.00	1000	1482	16.12.2021
42	42	* RATHOD SNEHAL RAMESH	BSc I	SUMITA	VJNT	9421631093	70.67	1000	1483	16.12.2021
43	43	* PATIL PRADNYA RAMESH	BA II	RUPALI	OPEN	9595848689	83.23	1000	1484	16.12.2021
44	44	* KOLI SAKSHI DIPAK	BSc I	VAISHALI	SBC	7815917111	87.50	1000	1485	16.12.2021
45	45	* HAWALE ABHISHEK RAHUL	BSc II	VAISHALI	OPEN	9766311679	63.54	1000	1486	16.12.2021
46	46	* MANE VISHAL ASHOK	Bcom II	SANGEETA	VJNT	7619388593	71.33	1000	1487	16.12.2021
47	47	* SUTAR SEJAL PRAKASH	BSc III	SUSHAMA	OBC	7385018157	72.00	1000	1488	16.12.2021
48	48	* ROTE SAKSHI SANJAY	BSc III	KASTURI	OPEN	7499471778	80.00	1000	1489	16.12.2021
49	49	* KAMBLE ARPITA LAXMAN	BSc I	MANGAL	SC	9022216540	81.67	1000	1490	16.12.2021
50	50	* CHINDAGE VAISHNAVI RANGRAO	BSc I	VANIJA	OPEN	8262967006	82.00	1000	1491	16.12.2021
51	51	* PATIL NIKHIL PRAKASH	BA I	HEMA	OPEN	9834599042	63.60	1000	1492	17.12.2021
52	52	* PATHAN SHIFA ASHAPAK	BSc II	RAISA	OPEN	9158160591	60.00	1000	1493	17.12.2021
53	53	* GAVADE ANKITA RAMCHANDRA	BSc I	MANISHA	NTC	9359805327	69.33	1000	1494	17.12.2021
54	54	* SHINDE SAMIKSHA MARUTI	BSc I	SAVITA	OPEN	9309141319	77.20	1000	1495	17.12.2021
55	55	* JOSHI AARYA NITIN	BA III	MEGHANA	OPEN	9822682076	84.15	1000	1496	23.12.2021
56	56	* SHINDE ABHAY TATOBA	BSc I	CHHAYA	NTC	9552332812	90.17	1000	1497	24.12.2021
56	57	* GAVALI VISHWAJEET SHARAD	Bcom III	SUNITA	OPEN	9370623123	66	1000	1498	24.12.2021
TOTAL Rs.								57000		

In Words Rupees: Fifty Seven Thousand Only

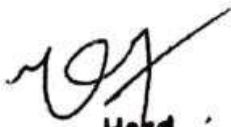
R.Y.P.
(Mrs. R. Y. Patil)
Co-ordinator

R.K.
(Dr. R. R. Kumbhar)
PRINCIPAL
Vivekanand College
Kolhapur

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
 UGC Recognized career Oriented Course (CCIIACB)
SHIVAJI UNIVERSITY, KOLHAPUR
Certificate Course in Information and Computer Basics


Staff List

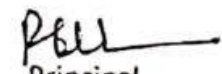
Sr.No.	Name	Educational Qualification	Experience
Teaching Staff			
1	Dr. V. B. Waghmare	M.Sc.(Computer Sci.) Ph.D.	6 years
2	Ms. R. Y. Patil	M.C.A.(Computer Sci.) ,M.Phil, Ph.D app.	26 years
3	Mr. I. K. Mujawar	M.Sc.(Computer Sci.),M.B.A., NET, SET,Ph.D.	13 years
4	Mrs. S. Z. Mullani	M.Sc.(Computer Sci) Ph.D. app.	3 years
5	Mrs. M. P. Dinde	M.Sc.(Computer Sci.)	2 years
Non-teaching			
1	Shri J. S. Shinde	B.Sc.(Statistics), MS-CIT	26 years
2	Shri S. S. Kamble	M.A. (Hindi)	20years


 Head
 Dept. of Computer Science
 Vivekanand College, Kolhapur

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR(Autonomous)
 UGC Recognized Career Oriented Course (CCHACB)
 SHIVAJI UNIVERSITY, KOLHAPUR
Certificate Course in Information and Computer Basics
Theory and Practical Time Table

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.00 am To 11.30 pm	Theory (Room No. 63)	Theory (Room No. 63)	Theory (Room No. 63)	Practical Computer Lab	Practical Computer Lab	Practical Computer Lab


 Head of Dept.
 Head
 Dept. of Computer Science
 Vivekanand College, Kolhapur


 Principal
PRINCIPAL,
 Vivekanand College,
 Kolhapur.



NAAC Reaccredited 'A'
College With Potential for excellence - by U.S.C.
State College - by D.B.T. Govt. of India

" ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार "
शिक्षणमहर्षी डॉ. बापूजी साकुंद्रे



Estd:1962
NAAC "A++" Grade
with CGPA 3.52

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

(Affiliated to Shivaji University, Kolhapur)

Certificate Of Passing

*This is to certify that _____
Mother's Name _____ has passed the
" Certificate Course in Information and Computer Basics"
examination in the _____ class, in the month _____ year _____.
The said Certificate has been issued to him/her at Kolhapur. In Testimony
where of are set the seal of the college and the signature of the coordinator and
the Principal of the college.*

Coordinator

Principal

(Seal of Concerned College)

(Seal of the University)

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR(AUTONOMOUS)
UGC Recognized Career Oriented Course
SHIVAJI UNIVERSITY, KOLHAPUR
Certificate Course in Information & Computer Basics Year : 2021-2022
MARK LIST REPORT

Sr. No.	Exam Seat No	Student Name	Class	Mother's Name	Cast	Mobile No	Theory Paper-I	Theory Paper-II	Practical Paper-III	Total	Per(%)	Result
							100	100	100			
21	21	KAGUDE DARSHAN SANJAY	BSc I	SAVITA	OBC	9607841538	62	58	75	195	65.00	First class
22	22	MANE SAMRUDDHI RAMESH	BA II	MAHADEVI	SC	9552651947	81	60	68	209	69.67	First class
23	23	CHAVAN KOMAL PRAKASH	BSc II	DIPALI	OPEN	9503986658	80	82	80	242	80.67	First class with Distinction
24	24	PANDHARPATTE SIDDHI MOHAN	BSc II	RUPALI	SBC	8421336899	84	74	75	233	77.67	First class with Distinction
25	25	CHAVAN DHANSHRI POPAT	BSc II	RUPALI	OPEN	8767349202	83	76	65	224	74.67	First class with Distinction
26	26	NIKAM HARSHAVARDHAN ASHOK	BSc I	VAISHNAVI	OPEN	8208813612	82	65	82	229	76.33	First class with Distinction
27	27	SWAMI APURVA GAJANAN	BA II	RANI	OPEN	9765362363	79	66	70	215	71.67	First class with Distinction
28	28	PATIL SAYALI SAMPAT	BSc I	SAVITA	OPEN	7709116191	73	67	79	219	73.00	First class with Distinction
29	29	WAWARE SHIVANJALI SANJAY	BSc I	KAVITA	NTC	9370772490	70	64	70	204	68.00	First class
30	30	PATIL AKSHATA ASHOK	BSc I	ARCHANA	OPEN	9112771248	70	51	75	196	65.33	First class
31	31	BHOSALE ASLESHIYA DHANAWANT	BSc I	ARCHANA	OPEN	7012298232	55	58	51	164	54.67	Second class
32	32	PENDHARI SAMIR BAKSH	BSc I	MAMTAJ	OPEN	7840951654	AB	AB	AB	AB	AB	ABSENT
33	33	PATIL SHRUTI SANDIP	BSc I	SAVITA	OPEN	9822019014	73	74	80	227	75.67	First class with Distinction
34	34	TANUGADE GAURI BHAUSO	BSc I	SANGITA	OPEN	8625936671	71	63	79	213	71.00	First class with Distinction
35	35	PATIL TEJAS SUNIL	BSc I	VIDYA	OPEN	9008644200	79	64	73	216	72.00	First class with Distinction
36	36	KHOPADE VAISHNAVI PRAKASH	BSc I	JYOTI	OPEN	7378729643	87	84	75	246	82.00	First class with Distinction
37	37	KUMBHAR SUPRIYA KRISHNAT	BSc I	SAVITA	OBC	8767280845	66	62	79	207	69.00	First class
38	38	PAWAR VAISHNAVI SUBHASH	BSc I	SHILPA	OPEN	7249840399	74	64	74	212	70.67	First class with Distinction
39	39	SHINDE SANIKA PRABHAKAR	BSc II	ROHINI	SC	9970803443	85	70	78	233	77.67	First class with Distinction
40	40	PATIL SHWETA BANDU	BSc II	REKHA	OPEN	9765363460	86	80	77	243	81.00	First class with

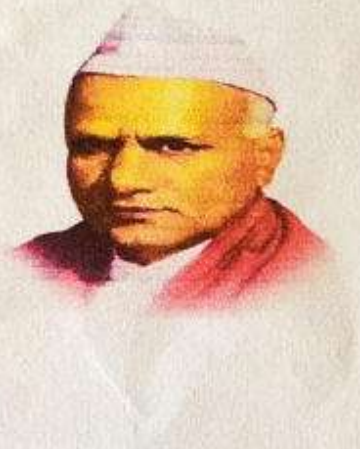
Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR(AUTONOMOUS)
UGC Recognized Career Oriented Course
SHIVAJI UNIVERSITY, KOLHAPUR

Certificate Course in Information & Computer Basics Year : 2021-2022
MARK LIST REPORT

Sr. No.	Exam Seat No	Student Name	Class	Mother's Name	Cast	Mobile No	Theory	Theory	Practical	Total	Per(%)	Result
							Paper-I	Paper-II	Paper-III			
							100	100	100	300		
41	41	BOTE PRAJAKTA SHANTINATH	BSc II	VAISALI	OPEN	8766759201	87	71	80	238	79.33	First class with Distinction
42	42	RATHOD SNEHAL RAMESH	BSc I	SUMITA	VJNT	9421631093	44	43	68	155	51.67	Second class
43	43	PATIL PRADNYA RAMESH	BA II	RUPALI	OPEN	9595848689	81	68	72	221	73.67	First class with Distinction
44	44	KOLI SAKSHI DIPAK	BSc I	VAISHALI	SBC	7815917111	81	69	73	223	74.33	First class with Distinction
45	45	HAWALE ABHISHEK RAHUL	BSc II	VAISHALI	OPEN	9766311679	77	72	70	219	73.00	First class with Distinction
46	46	MANE VISHAL ASHOK	Bcom II	SANGEETA	VJNT	7619388593	85	77	68	230	76.67	First class with Distinction
47	47	SUTAR SEJAL PRAKASH	BSc III	SUSHAMA	OBC	7385018157	86	65	69	220	73.33	First class with Distinction
48	48	ROTE SAKSHI SANJAY	BSc III	KASTURI	OPEN	7499471778	82	64	65	211	70.33	First class with Distinction
49	49	KAMBLE ARPITA LAXMAN	BSc I	MANGAL	SC	9022216540	74	69	79	222	74.00	First class with Distinction
50	50	CHINDAGE VAISHNAVI RANGRAO	BSc I	VANITA	OPEN	8262967006	70	60	67	197	65.67	First class
51	51	PATIL NIKHIL PRAKASH	BA I	HEMA	OPEN	9834599042	52	56	55	163	54.33	Second class
52	52	PATHAN SHIFA ASHAPAK	BSc II	RAISA	OPEN	9158160591	88	85	77	250	83.33	First class with Distinction
53	53	GAVADE ANKITA RAMCHANDRA	BSc I	MANISHA	NTC	9359805327	70	66	72	208	69.33	First class
54	54	SHINDE SAMIKSHA MARUTI	BSc I	SAVITA	OPEN	9309141319	79	77	75	231	77.00	First class with Distinction
55	55	JOSHI AARYA NITIN	BA III	MEGHANA	OPEN	9822682076	AB	AB	AB	AB	AB	ABSENT
56	56	SHINDE ABHAY TATOBA	BSc I	CHHAYA	NTC	9552332812	86	73	75	234	78.00	First class with Distinction
57	57	GAVALI VISHWAJEET SHARAD	Bcom III	SUNITA	OPEN	9370623123	84	76	72	232	77.33	First class with Distinction

R.Y.P.
(Mrs. R. Y. Patil)
Co-ordinator

Pell
(Dr. R. R. Kumbhar)
PRINCIPAL



“Education for Knowledge, Science and Culture”
-Shikshanmaharshi Dr. Bapuji Salunkhe
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)

**INTERNAL QUALITY ASSURANCE
CELL**
2021-22



Fashion Designing Certificate Course

1. **Name of Department:** Home Science
2. **Name of Organized Activity:** Certificate Course in Fashion Designing
3. **Date/ Duration:** 03 Jan 2022 To 30 March 2022
4. **Aims and Objectives:** 1) To get basic knowledge of Fashion Designing
2) Helping student to become self reliant and promote entrepreneurship in the Fashion Designing
5. **No. of beneficiaries:** Students-14
6. **Expenditure & funding agency:/collaborators:** N.A

7. Brief description:

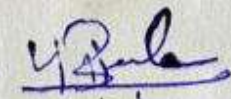
The Fashion Designing Certificate Course was jointly conducted by Home Science Department and SSS Centre of Women's Studies from 03 Jan To 30 March 22. Mrs. Geeta Kadam was trainer for this certificate course. 14 students took admission for this course. The course was guided and assisted by Principal Dr. R.R. Kumbhar, SSS Centre of Women's Studies coordinator Dr. P.A. Patil, Head of Home Science Department Ms. Urmila Khot and Ms. U.R. Hirkude was coordinator of this course.


8. Outcomes : 1) Participating students learned different styles of blouse and ethnic wear

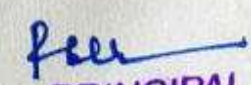
2) Students understand how they can become self reliant

9. Photo



10. Signatures of coordinator/ organizer: - 


Head of the
Department of Home Science
Vivekanand College, Kolhapur


PRINCIPAL
Vivekanand College
Kolhapur

" ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षणप्रसार "

- ' शिक्षण महर्षी डॉ. बापूजी साळुंखे ' -

श्री स्वामी विवेकानंद शिक्षण संस्थेचे
विवेकानंद कॉलेज कोल्हापूर (स्वायत्त)

गृहविज्ञान विभाग आणि संस्थामाता सुशीलादेवी साळुंखे स्त्री अभ्यास
केंद्र यांच्या संयुक्त विद्यमाने

फॅशन डिझायनिंग

(सर्टिफिकेट कोर्स)

अभ्यासक्रम पारंपारिक व
आधुनिक फॅशनचे

१. पंजाबी ड्रेसचे विविध प्रकार
२. साडी ब्लाउजचे विविध प्रकार

कोर्सची वैशिष्ट्ये

तज्ञ व अनुभवी मार्गदर्शक
थेरी आणि प्रॅक्टिकल
वैयक्तिक मार्गदर्शन



प्राचार्य

डॉ. आर. आर. कुंभार

संपर्क -

उर्मिला खोत: 9552572013 उज्वला हिरकुडे: 9890838655

“Education for knowledge, Science and Culture”

Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

Syllabus

Certificate Course in Fashion Designing

Course Outcome

- 1) Understand Knowledge about Fabric Selection
- 2) Gain Knowledge of sewing machine and Basic sewing
- 3) Take the Perfect body Measurement
- 4) Preparation of drafting ,cutting ,stitching and finishing of apparels construction

Course Contains :

- 1) Basic Sewing Introduction
- 2) Sewing Machine Introduction
- 3) Body Measurement
- 4) Drafting & Paper Cutting
- 5) Fabric Selection
- 6) Punjabi Suit / Dress
 - A) Simple Suit with Salwar
 - B) Highneck Suit with Chudidar
 - C) Stand Coller Suit with Cigarette Pant
 - D) Open Neck Suit with Patiyala Salwer
 - E) Boat Neck Suit with Palazzo
7. Saree Blouses
 - A) Simple Blouse with 3 Tuxs
 - B) Katori Blouse
 - C) Katori Blouse with Lining Fancy Neck
 - D) Simple Princess Cut Blouse
 - E) Princess Cut Blouse with Pads & Fancy Neck

Accessories Required

A) Drafting Kit

- 1) Brown Paper
- 2) Small Scissor
- 3) Marking Chalk
- 4) French Curve
- 5) Measuring Tape
- 6) Sketch Book
- 7) Writing Book
- 8) Sketch Pen
- 9) Ball Pen
- 10) Pencil
- 11) Eraser
- 12) Scale 12"
13. Tailoring Triangle

B. Stitching Kit

- 1) Cutting Scissor 8"
- 2) Tacking Pins
- 3) Seam Ripper
- 4) Carbon Paper
- 5) Tracing Wheel
- 6) Hand Needles
- 7) Threads

“ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षण प्रसार”

-शिक्षणमहर्षी डॉ. वापूजी साळुंखे

विवेकानंद कॉलेज (स्वायत्त), कोल्हापूर
गृहविज्ञान विभाग

नोटीस

NB- 1074/2021-22

दिनांक - 20.12.2021

महाविद्यालयातील सर्व विद्यार्थिनींना कळविणेत येते की, होमसायन्स विभाग व संस्थामाता सुशिलादेवी साळुंखे स्त्री अभ्यास केंद्राच्या वतीने फॅशन डिझायनिंग कोर्स दिनांक 28 डिसेंबर 2021 पासून सुरू होत आहे तरी इच्छुक विद्यार्थिनींनी अधिक माहिती करीता बुधवार दि. 22.12.2021 रोजी 11.00 वाजता रूम नं. ५० (होमसायन्स विभाग) मध्ये एकत्रित यावे.

Peer

डॉ. आर. आर. कुंभार

प्राचार्य

विवेकानंद कॉलेज

कोल्हापूर

**Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR
CERTIFICATE COURSE IN FASHION DESIGNING
NAME LIST : 2021- 22**

Sr No	Students Name
1	Miss. PHANDE SIDDHI DINKAR
2	Miss. MULLA SAFIYA SALIM
3	Miss. JODHALE NISHA VIJAY
4	Miss. BODEKAR HARSHADA BIRBAL
5	Miss. KHANDAWANI BHAVIKA RAJESH
6	Miss. SHINDE NAMRTA SUNIL
7	Miss. PATIL AMRUTA MARUTI
8	Miss. DALVI PRANITA DATTATRAY
9	Miss .PATIL CHAITALI SHAHAJI
10	Miss. PATHARE TRUPTI SANJAY
11	Miss. BUNE ANGAHA RAMESH
12	Miss SANGALE ARATI PRAKASH
13	Miss. MITKE BHAGYSHRI JOTIRAM
14	Miss .NWALE ANGAHA AMAR



Ms. U. R. Hirkude



Ms. U. S. KHOT

*Head of the
Department of Home Science
Vivekanand College, Kolhapur*

Course – Fashion Designing
Attendance Sheet

Subject Expert – Mrs. Geeta L.Kadam
Period – 2 Months

Sr No	Students Name	Class	Month- Jan 2021-22													Sign		
			03	04	05	06	07	08	10	11	12	13	14	15				
1	Anagha Bune		A	P	A	A	A	A	P	X	X	X	X	X	X	X	X	A Bune
2	Anagha Navale		P	A	P	P	P	P	P	P	X	X	X	X	X	X	X	Anavale
3	Arati Sangale		P	P	P	P	P	P	P	X	X	X	X	X	X	X	X	R. Sangale
4	Bhagyashri Mitke		A	P	P	P	P	P	P	X	X	X	X	X	X	X	X	B.R.K
5	Bhavika Khanda		P	P	P	P	P	P	P	X	X	X	X	X	X	X	X	Khanda
6	Chaitali Patil		P	A	P	P	P	P	P	X	X	X	X	X	X	X	X	H.B.B
7	Harshada Bodekar		P	A	P	P	P	P	P	X	X	X	X	X	X	X	X	AB
8	Namrta Shinde		P	P	P	P	P	P	P	X	X	X	X	X	X	X	X	N. Shinde
9	Nisha Jondhale		A	P	P	P	P	P	P	X	X	X	X	X	X	X	X	N. Jondhale
10	Pranita Dalvi		P	P	P	P	P	P	P	X	X	X	X	X	X	X	X	P.P. Dalvi
11	Safiyanz Mulla		A	P	P	P	P	P	P	X	X	X	X	X	X	X	X	Smulla
12	Siddhi Phonde		P	P	P	P	P	P	P	X	X	X	X	X	X	X	X	S.P. Phonde
13	Trupti Pathare		P	A	P	P	P	P	P	X	X	X	X	X	X	X	X	Pathare
14	Amruta Patil		A	P	P	P	P	P	P	X	X	X	X	X	X	X	X	Amruta Patil

Y. R. Navale
(Mrs. U. R. Navale)

Y. R. Navale
Department of Home Science
Vivekanand College, Kolhapur


Course - Fashion Designing

Attendance Sheet

Subject Expert - Mrs. Geeta L. Kadam

Period - 2 Months

Sr. No.	Student Name	Class	Month - February 2022														Sign				
			12	14	15	16	17	18	19	21	22	23	24	25	26	28					
1	Anagha Bune		A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	Bune	
2	Anagha Navale		A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	Navale
3	Arati Sangale		A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	Sangale
4	Bhagyashri Mitke		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	
5	Bhavika Khandawani		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Birk
6	Chaitali Patil		A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	
7	Harshada Bodekar		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	H.D.B
8	Namrta Shinde		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	
9	Nisha Jondhale		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	Jondhale
10	Pranita Dalvi		A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P.D. Dalvi
11	Safiyana Mulla		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	Mulla
12	Siddhi Phonde		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	S.P. Phonde
13	Trupti Pathare		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	Pathare
14	Amruta Patil		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	Amruta Patil


 (Mrs. V.R. Hirankunde)


 Head of the Department
 Department of Home Science
 Vivekanand College, Kolhapur


Course - Fashion Designing

Attendance Sheet

Subject Expert - Mrs. Geeta L. Kadam

Period - 2 Months

Sr. No.	Student Name	Class	Month - March 2022																	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Sign		
1	Anagha Bune		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2	Anagha Navale		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3	Arati Sangale		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4	Bhagyashri Mitke		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
5	Bhavika Khandawani		A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Chaitali Patil		A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Harshada Bodekar		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Namrta Shinde		A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Nisha Jondhale		A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Pranita Dalvi		A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Safyanaz Mulla		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Siddhi Phonde	,	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Trupti Pathare		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Amruta Patil		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P


(Mrs. V.R. Hirakude)



Head of the
Department of Home Science
Vivekanand College, Kolhapur

Course - Fashion Designing

Attendance Sheet

Subject Expert - Mrs. Geeta L. Kadam

Period - 2 Months

Sr. No.	Student Name	Class	Month - March 2022												Sign					
			16	17	19	21	22	23	24	25	26	28	29	30		31				
1	Anagha Bune		P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P	A Bune
2	Anagha Navale		P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	A Navale
3	Arati Sangale		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A Sangale
4	Bhagyashri Mitke		A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
5	Bhavika Khandawani		P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	B. R. K.
6	Chaitali Patil		A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
7	Harshada Bodekar		P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	H. B. B.
8	Namrta Shinde		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	198
9	Nisha Jondhale		P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A. Jondhale
10	Pranita Dalvi		A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P. P. Dalvi
11	Safiyanz Mulla		A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	S. Mulla
12	Siddhi Phonde		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	S. D. Phonde
13	Trupti Pathare		P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A. Pathare
14	Amruta Patil		A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A. Patil

Y. R. Bunde

(Mrs. U. R. Himande)

Head of the
Department of Home Science
Vivekanand College, Kolhapur

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE KOLHAPUR (Autonomous)

Fashion Designing Course 2021-22

Department of Home Science

Subject Teacher : Mrs. Geeta Kadam

Jan. 2021-22													
Month	Day	MON	TUE	WED	THU	FRI	SAT	MON	TUE	WED	THU	FRI	SAT
Date	03		04	05	06	07	08	10	11	12	13	14	15
Sign	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>

Jan. 2021-22													
Month	Day	MON	TUE	WED	THU	FRI	SAT	MON	TUE	THU	FRI	SAT	MON
Date	17		18	19	20	21	22	24	25	27	28	29	31
Sign	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>	<i>Geeta Kadam</i>

U. P. Hire
(Mrs. U. P. Hire)

U. P. Hire
Head of the
Department of Home Science
Vivekanand College, Kolhapur

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE KOLHAPUR (AUTONOMOUS)

Certificate Course in Fashion Designing

Batch 2021-22

Department of Home Science

Subject Teacher : Mrs. Geeta Laxman Kadam

Feb-22															
Month	Day	Sat	Mon	Tues	Wed	Thur	Fri	Sat	Mon	Tues	Wed	Thur	Fri	Sat	Mon
	Date	12.2.22	14.02.22	15.2.22	16.2.22	17.2.22	18.2.22	19.2.22	21.2.22	22.2.22	23.2.22	24.2.22	25.2.22	26.2.22	28.2.22
	Sign	Godan	Godan	Godan	Godan	Godan	Godan	Godan	Godan	Godan	Godan	Godan	Godan	Godan	Godan

Mar-22													
Month	Day	Wed	Thur	Fri	Sat	Mon	Tues	Wed	Thur	Fri	Sat	Mon	Tues
	Date	2.3.22	3.3.22	4.3.22	5.3.22	7.3.22	8.3.22	9.3.22	10.3.22	11.3.22	12.3.22	14.3.22	15.3.22
	Sign	Godan	Godan	Godan	Godan	Godan	Godan	Godan	Godan	Godan	Godan	Godan	Godan



(Mrs. U. R. Hirvande)



Head of the
Department of Home Science
Vivekanand College, Kolhapur

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE KOLHAPUR (AUTONOMOUS)

Certificate Course in Fashion Designing

Batch 2021-22

Department of Home Science

Subject Teacher : Mrs. Geeta Laxman Kadam

Mar-22														
Month	Day	Wed	Thur	Sat	Mon	Tues	Wed	Thur	Fri	Sat	Mon	Tues	Wed	Thur
	Date	16.3.22	17.3.22	19.3.22	21.3.22	22.3.22	23.3.22	24.3.22	25.3.22	26.3.22	28.3.22	29.3.22	30.3.22	31.3.22
	Sign	Student	Student	Student	Student	Student	Student	Student	Student	Student	Student	Student	Student	Student



(Mrs. U. R. Hirekude)



Head of the
Department of Home Science
Vivekanand College, Kolhapur

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE KOLHAPUR (AUTONOMOUS)
Certificate Course in Fashion Designing

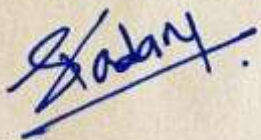
Batch 2021-22
Department of Home Science

Subject Teacher : Mrs. Geeta Laxman Kadam

Final Result

Sr. No	Student Name	Grade
1	Trupti Pathare	A+
2	Amruta Patil	A+
3	Bhavika Khandawani	A
4	Chaitali Patil	A
5	Harshada Bodekar	A
6	Namrta Shinde	A
7	Nisha Jondhale	A
8	Pranita Dalvi	A
9	Safiyanaz Mulla	A
10	Siddhi Phonde	A
11	Anagha Bune	Absent
12	Anagha Navale	Absent
13	Arati Sangale	Absent
14	Bhagyashri Mitke	Absent

Teacher's Sign



Mrs. Geeta L. Kadam



Head of the
Department of Home Science
Vivekanand College, Kolhapur



"ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षणप्रसार"
- शिक्षणमहर्षी प.पू. डॉ. बापूजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha's



VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

DEPARTMENT OF HOME SCIENCE

&

SANSTHAMATA SUSHILADEVI SALUNKHE
CENTRE OF WOMEN'S STUDIES

Certificate

Shri./Smt. _____

attended _____ Course

held from _____ to _____

at our college & completed it successfully in _____

Grade.

Co-ordinator
Certificate Course
in Fashion Designing

Head
Department of
Home Science

Co-ordinator
SSS Centre of
Women's Studies

Dr. R.R. Kumbhar
Principal

Vivekanand College, Kolhapur

(Autonomous)

Department of Geography

2021-22

COC

**Travel, Tourism and
Management**

03 January 2022- 30 April 2022



Vivekanand College, Kolhapur
(Autonomous)

Department of Geography
2021-22

COC: Travel, Tourism and Management

1. **DURATION OF COURSE:** 3 Months (30 Hours)
2. **ELIGIBILITY FOR ADMISSION:** 12th Pass (any faculty)
3. **INTAKE CAPACITY:** Minimum 20, Maximum 40
4. **FEE STRUCTURE:** 100 /-

FACULTY INVOLVED IN TEACHING THE COURSE:

Sr. no	Name	Qualification	Designation
1	Dr. G. S. Ubale	M.A., NET, SET, Diploma in Geo-informatics	Coordinator, Asst. Professor
2	Dr. H. P. Patil	M. A. NET	Head, Asst. Professor
3	Mr. Sunil Bhosale	M. A. NET	Asst. Professor

TIME TABLE OF COURSE:

Sr. No.	Course Name	Teaching Scheme (Hrs/Week)			
		Theory			
		Day	Lecture	Time	Total Lecture
1	Travel, Tourism and Management	Wednesday	01	11:00 to 01:00	02
		Saturday	01	11:00 to 01:00	

EXAM STRUCTURE & PASSING CRITERIA:

Sr. No.	Course Name	Examination Scheme (Marks)		
		Theory	Practical	Total Marks
1	Travel, Tourism and Management	70	30	100

Passing criteria minimum 40 marks

A Grade: above 70

B Grade: 50-70

C Grade: Blow 50

IMPORTANCE OF COURSE:

- The tourism development course is a short term course at B.A. level which is basic branch of Economic Geography.
- In this course the fundamental and basic knowledge of tourism industry and its impact on employment have been included
- The present syllabus of this course includes tourism nature, scope, significance, factors of tourism development, tourism marketing with cooperation of local people.
- With this study students can understand present status of tourism in India and also facing the problems for the development of tourism.
- Tourism is an important, even vital, source of income for many regions and countries.
- It also creates opportunities for employment in the service sector of the economy associated with tourism



**“Vivekanand College, Kolhapur
(Autonomous)**

**Department of Geography
2021-22**

**COC: Travel, Tourism and Management
Syllabus**

Topic 1: Introduction to Tourism-

What is Tourism?, Definitions, Nature, Scope, Characteristics of Tourism, Factors of Tourism Process, Tourist: Definitions, Travel & Tourism as basic needs of man, Problems of Tourism

Topic 2: Types of Tourism -

Basis of Political Border, Quantity of Tourists, Tourism Period, Seasonal Characteristics, Nature of Tourism, Location of Tourism, Purpose of Tourism, Means of Transport, Attraction of the Host Destination.

Topic 3: Tourism Planning & Tourism Marketing-

Tourism Planning: Importance and Necessity, Model of the Tourism Planning, Elements of the Tourism Planning, Planning at National-Regional-Local Level

Tourism Marketing: Meaning of the Tourism Marketing, Factors of Tourist Product, Characteristics of Marketing, Functions of the Tourism Marketing, Tourism Marketing in India.

Topic 4: Tourism Management -

Local area tour management and Report

References:

1. Bhatia, A.K. : Tourism Development
2. Donald, E. N. (1980): Tourism Planning & Development Issues
3. Srivastava, K. K. (1983): Tourism in India
4. Donald, E. N. (1980): Tourism Planning & Development Issues



Vivekanand College, Kolhapur
(Autonomous)

Department of Geography

2021-22

COC: Travel, Tourism and Management
Students Admission List

Sr. No	Student Name -	Class	Roll No
1	BAMNE SNEHA SUNIL	B.A.III	5491
2	BASARE SANIRAJ MADHUKAR	B.A.III	5492
3	BUDAKE GURUPRASAD SHIVAJI	B.A.III	5493
4	DESAI JISHAN SALIM	B.A.III	5494
5	DHANAWADE SHRUTI SANDIP	B.A.III	5495
6	EKASHINGE ROHINI SURESH	B.A.III	5496
7	GAVALI ANIRUDDHA VASANT	B.A.III	5497
8	GURAV GANPATI KRUSHNAT	B.A.III	5498
9	JOSHI AARYA NITIN	B.A.III	5500
10	KHILLARE RAKESH MUKAND	B.A.III	5504
11	KHODASE RUTURAJ SHASHIKANT	B.A.III	5505
12	KHUDE SHIVDATT MAHADEV	B.A.III	5506
13	KUSALE ABHISHEK SUDHIRKUMAR	B.A.III	5507
14	MAGDUM RAJKANYA JALINDAR	B.A.III	5508
15	MALI RUPALI DATTATRAY	B.A.III	5509
16	MORE AVANTIKA SANJAY	B.A.III	5511
17	MORE DHANANJAY BALASAHEB	B.A.III	5512
18	NAIK DHANASHRI MANOHAR	B.A.III	5513
19	PATIL ARPITA BABASO	B.A.III	5514
20	PAWAR AKSHAY NEELESH	B.A.III	5515
21	PAWAR SUMIT SANJAY	B.A.III	5517

22	RAJPUT SUMIT SURATSING	B.A.III	5518
23	SANAP VAISHNAVI DATTATRAY	B.A.III	5519
24	SHINDE ANUJA ASHOK	B.A.III	5521
25	SHINDE TUSHAR NAMDEV	B.A.III	5522
26	WAGHMARE ROHAN RAMCHANDRA	B.A.III	5527
27	AGALAVE PRAJAKTA VINAYAK	B.SC.III	8058
28	WAKADE SUHAS KESHAV	B.A III	5549



(Dr. G. S. Ubale)



Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur (Autonomous)

Department of Geography

2021-22

COC: Travel, Tourism and Management

Students Attendance

Sr. No	Student Name -	9/1/22	20/1/22	29/1/22	6/2/22	13/2/22	20/2/22	27/2/22	6/3/22	13/3/22	20/3/22	27/3/22	3/4/22	10/4/22	17/4/22	24/4/22	1/5/22
1	BAMNE SNEHA SUNIL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
2	BASARE SANIRAJ MADHUKAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
3	BUDAKE GURUPRASAD SHIVAJI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
4	DESAI JISHAN SALIM	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
5	DHANAWADE SHRUTI SANDIP	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
6	EKASHINGE ROHINI SURESH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
7	GAVALI ANIRUDDHA VASANT	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
8	GURAV GANPATI KRUSHNAT	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
9	JOSHI AARYA NITIN	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
10	KHILLARE RAKESH MUKAND	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
11	KHODASE RUTURAJ SHASHIKANT	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
12	KHUDE SHIVDATT MAHADEV	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13	KUSALE ABHISHEK SUDHIRKUMAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
14	MAGDUM RAJKANYA JALINDAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
15	MALI RUPALI DATTATRAY	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
16	MORE AVANTIKA SANJAY	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
17	MORE DHANANJAY BALASAHEB	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
18	NAIK DHANASHRI MANOHAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
19	PATIL ARPITA BABASO	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
20	PAWAR AKSHAY NEELESH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
21	PAWAR SUMIT SANJAY	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present

22	RAJPUT SUMIT SURATSING	Rajput	Rajput	Rajput	Rajput	Rajput	Rajput	Rajput	Rajput	Rajput	Rajput	Rajput	Rajput	Rajput	Rajput	Rajput	Rajput	Rajput	Rajput	Rajput
23	SANAP VAISHNAVI DATTATRAY	Sanap	Sanap	Sanap	Sanap	Sanap	Sanap	Sanap	Sanap	Sanap	Sanap	Sanap	Sanap	Sanap	Sanap	Sanap	Sanap	Sanap	Sanap	Sanap
24	SHINDE ANUJA ASHOK	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
25	SHINDE TUSHAR NAMDEV	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
26	WAGHMARE ROHAN RAMCHANDRA	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare
27	AGALAVE PRAJAKTA VINAYAK	Agalave	Agalave	Agalave	Agalave	Agalave	Agalave	Agalave	Agalave	Agalave	Agalave	Agalave	Agalave	Agalave	Agalave	Agalave	Agalave	Agalave	Agalave	Agalave
28	SUHAS KESHV WAKADE	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas

[Signature]
Dr. G. S. Ubale



Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur (Autonomous)

Department of Geography

2021-22

COC: Travel, Tourism and Management

Students Attendance

Sr. No	Student Name -	08/10/22	09/10/22	10/10/22	11/10/22	12/10/22	13/10/22	14/10/22	15/10/22	16/10/22	17/10/22	18/10/22	19/10/22	20/10/22	21/10/22	22/10/22	23/10/22	24/10/22
1	BAMNE SNEHA SUNIL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
2	BASARE SANIRAJ MADHUKAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
3	BUDAKE GURUPRASAD SHIVAJI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
4	DESAI JISHAN SALIM	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
5	DHANAWADE SHRUTI SANDIP	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
6	EKASHINGE ROHINI SURESH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
7	GAVALI ANIRUDDHA VASANT	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
8	GURAV GANPATI KRUSHNAT	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
9	JOSHI AARYA NITIN	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
10	KHILLARE RAKESH MUKAND	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
11	KHODASE RUTURAJ SHASHIKANT	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
12	KHUDE SHIVDATT MAHADEV	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13	KUSALE ABHISHEK SUDHIRKUMAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
14	MAGDUM RAJKANYA JALINDAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
15	MALI RUPALI DATTATRAY	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
16	MORE AVANTIKA SANJAY	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
17	MORE DHANANJAY BALASAHEB	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
18	NAIK DHANASHRI MANOHAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
19	PATIL ARPITA BABASO	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
20	PAWAR AKSHAY NEELESH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
21	PAWAR SUMIT SANJAY	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present

Vivekanand College, Kolhapur
(Autonomous)

Department of Geography
2021-22

COC: Travel, Tourism and Management

Exam- Attendance

Sr. No	Student Name -	SEAT NO.	Theory	Internal
1	BAMNE SNEHA SUNIL	5491	Bamne	Bamne
2	BASARE SANIRAJ MADHUKAR	5492	S.M. Basare	S.M. Basare
3	BUDAKE GURUPRASAD SHIVAJI	5493	Budake	Budake
4	DESAI JISHAN SALIM	5494	Jesal.	Jesal
5	DHANAWADE SHRUTI SANDIP	5495	Shruti	Shruti
6	EKASHINGE ROHINI SURESH	5496	EKASHINGE	EKASHINGE
7	GAVALI ANIRUDDHA VASANT	5497	G	G
8	GURAV GANPATI KRUSHNAT	5498	Gurav.	Gurav.
9	JOSHI AARYA NITIN	5500	Ajoshi	Ajoshi
10	KHILLARE RAKESH MUKAND	5501	Rohank	Rohank
11	KHODASE RUTURAJ SHASHIKANT	5503	Rohodase	Rohodase
12	KHUDE SHIVDATT MAHADEV	5506	Shudde	Shudde
13	KUSALE ABHISHEK SUDHIRKUMAR	5507	Kusale	Kusale
14	MAGDUM RAJKANYA JALINDAR	5508	Rto.	Rto.
15	MALI RUPALI DATTATRAY	5509	RDMali	RDMali
16	MORE AVANTIKA SANJAY	5511	Snore	Snore
17	MORE DHANANJAY BALASAHEB	5512	Bmore	Bmore
18	NAIK DHANASHRI MANOHAR	5513	Anik	Anik
19	PATIL ARPITA BABASO	5514	ABPatil	ABPatil
20	PAWAR AKSHAY NEELESH	5515	Akshay	Akshay
21	PAWAR SUMIT SANJAY	5517	Spawar	Spawar
22	RAJPUT SUMIT SURATSING	5518	Rajput	Rajput
23	SANAP VAISHNAVI DATTATRAY	5519	Sanap	Sanap

24	SHINDE ANUJA ASHOK	5522	<i>Shinde</i>	<i>Shinde</i>
25	SHINDE TUSHAR NAMDEV	5522	<i>Shinde</i>	<i>Shinde</i>
26	WAGHMARE ROHAN RAMCHANDRA	5527	<i>R.R. Dismar</i>	<i>R.R. Dismar</i>
27	AGALAVE PRAJAKTA VINAYAK	8058	<i>Prajakta</i>	<i>Prajakta</i>
28	SOHAS KESHAV WAKADE	5528	<i>Sohas</i>	<i>Sohas</i>



Dr. G.S. Vade

Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

Vivekanand College, Kolhapur
(Autonomous)

Department of Geography
2021-22

COC: Travel, Tourism and Management
Mark-Sheet

Sr. No	Student Name -	SEAT NO.	Theory (70)	Tour (20)	Internal (10)	Total (100)
1	BAMNE SNEHA SUNIL	301	55	15	10	80
2	BASARE SANIRAJ MADHUKAR	302	40	12	8	60
3	BUDAKE GURUPRASAD SHIVAJI	303	57	18	9	84
4	DESAI JISHAN SALIM	304	40	10	5	55
5	DHANAWADE SHRUTI SANDIP	305	56	15	10	81
6	EKASHINGE ROHINI SURESH	306	57	18	10	85
7	GAVALI ANIRUDDHA VASANT	307	50	12	6	68
8	GURAV GANPATI KRUSHNAT	308	59	20	8	87
9	JOSHI AARYA NITIN	309	59	20	9	88
10	KHILLARE RAKESH MUKAND	310	55	20	9	84
11	KHODASE RUTURAJ SHASHIKANT	311	50	12	7	69
12	KHUDE SHIVDATT MAHADEV	312	40	10	5	55
13	KUSALE ABHISHEK SUDHIRKUMAR	313	45	15	10	70
14	MAGDUM RAJKANYA JALINDAR	314	58	19	10	87
15	MALI RUPALI DATTATRAY	315	58	19	10	87
16	MORE AVANTIKA SANJAY	316	57	19	10	86
17	MORE DHANANJAY BALASAHEB	317	57	18	10	85
18	NAIK DHANASHRI MANOHAR	318	58	18	10	86
19	PATIL ARPITA BABASO	319	55	15	10	80
20	PAWAR AKSHAY NEELESH	320	40	10	10	60
21	PAWAR SUMIT SANJAY	321	58	18	10	86
22	RAJPUT SUMIT SURATSING	322	40	10	5	55
23	SANAP VAISHNAVI DATTATRAY	323	45	18	10	73

24	SHINDE ANUJA ASHOK	324	55	18	10	83
25	SHINDE TUSHAR NAMDEV	325	55	15	10	80
26	WAGHMARE ROHAN RAMCHANDRA	326	55	18	10	83
27	AGALAVE PRAJAKTA VINAYAK	327	50	15	10	75
28	SUHAS KESHAV WAKADE	328	50	10	09	69



Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

" Education for Knowledge, Science & Culture "

-Shikshanmaharshi Dr. Bapuji Salunkhe



Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE , KOLHAPUR (AUTONOMOUS)



Affiliated to Shivaji University, Kolhapur

DEPARTMENT OF GEOGRAPHY

CERTIFICATE

This is to certify that Mr./Ms. has successfully completed the COC Course of..... " Travel, Tourism and Management " carried out by Department of Geography, Vivekanand College, Kolhapur (Autonomous) during academic year 2021-2022. This certificate is awarded to him / her after passing theory and practical examination.

Dr. G.S. Ubale
Co-ordinator



Dr. R. R. Kumbhar
Principal



"Education for Knowledge, Science and Culture"

Dr. Bapuji Salunkhe.

कोल्हापूर

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College Kolhapur (Autonomous)



DEPARTMENT OF MICROBIOLOGY

Value Added Course

"Industrial Waste Water Management"

Registration Fee

Rs . 500 /-

Limited seats

*Hurry up..
First come, first serve*

**ADMISSION
OPEN**

Contact :

Ms. V.V. Misal	- 9822376171
Mr. S.D. Gabale	- 9970191188
Ms. S.A. Pise	- 7507611308
Ms. S.V. Jadhav	- 7798087460



Syllabus

“Education for Knowledge, Science and Culture”

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

Department of Microbiology

Addon Course

“Waste water management”

Sr. No.	Heading	Particulars
1	Title of the Course	Industrial Pollution control and waste treatment technology
2	Eligibility for Admission	Candidate who passed 10+2 examination with at least 45% marks in aggregate in Arts/ Commerce/ Science
3	Passing Marks for the course	The candidate must obtain 35 % of the total marks in theory and practical separately to pass the course.
4	Level	Add-on
5	Pattern	Trimester
6	Intake Capacity	40
7	Fees	Rs. 500/-
8	Job opportunities	Sugar industry , Dairy industry ETP, Government and Private sectors
9	To be implemented from the Academic Year	From Academic Year -2021-22
10	Course Co-ordinator	Mr.S.D.Gabale (9970191188)

The present add on course is framed to give sound knowledge with understanding of industrial sector pollution problems and waste water treatment technologies to the student. The goal of the syllabus is to implement career oriented education and skills to student interested in directly entering the industrial workforce.

- management of hazardous waste .
- Use of microbial system, root zone technology, reclamation of wasteland, biogas.
- Sludge disposal-
Effect of sludge on environment, methods of sludge disposal.

Books recommended:

- 1) Advances in biotechnological Process; MMizrahi & Wezel.
- 2) Biodegradation and Bioremediation. Academic Press; 2nd edition, Martin Alexander.
- 3) Milton Wainwright. An Introduction to Environmental Biotechnology, Kluwer.

Practical's

Sr. No.	Particulars
1.	Determination of physical parameters of waste water- Temperature, color, odor, pH
2.	Determination of total dissolved solids.
3.	Detection of E.C. of wastewater
4.	Determination of chlorides of wastewater
5.	Determination of alkalinity of wastewater
6.	Determination of DO of waste water
7.	Determination of BOD
8.	Determination of COD
9.	Determination of oil & grease from waste
10.	Determination of SPC of different waste
11.	Preparation of cultural media and its sterilization
12.	Determination of fecal contamination of water – Qualitative & Quantitative estimation.

Assessment:

Term End Theory Assessment –100 marks

1. Duration - These examinations shall be of three hours duration.
2. Theory question paper pattern:-
 - a. There shall be 20 multiple choice questions each of 1 mark. Five multiple choice questions from each unit.
 - b. There shall be four major questions one from each unit. All questions shall be compulsory with internal choice within the questions. Each question will be of 40 marks with options.
 - c. Questions may be sub divided into sub questions a, b, c & d only, each carrying 10 marks and allocation of marks depends on the weightage of the topic.

OBJECTIVES OF THE COURSE –

- 1) To develop skills required in various industries, research labs and in the field of human health.
- 2) To prepare the students to accept the challenges in industrial sectors.
- 3) To promote understanding of basic and advanced concepts in industrial waste water treatment technologies.
- 4) To make the student knowledgeable with respect to the basic and advanced concepts in industries and in research field.

COURSE OUTCOME:

After completion of the course, student will be able to:

1. Apply practical knowledge for treatment of waste water.
2. Explain various tests used for determination of characteristics of waste water.
3. Predict the impact of water pollution on all life forms.

Title of the course: Waste water management

Total Lectures: 40

Total Marks: 100

Course	Unit	Topic	L/Unit
Add-on (Semester)	I	Fundamentals of Environmental pollution	13
	II	Bioremediation	13
	III	Waste water Treatment Technologies	14

श्री स्वामी विवेकानंद शिक्षण संस्थचे
विवेकानंद कॉलेज ,कोल्हापूर (स्वायत्त)

मायक्रोबायोलॉजी विभाग

Add On Course 2021-22

“Industrial waste water management”

दि. १६.११.२०२१

नोटीस

बी.एस्सी. भाग २ आणि ३ मधील सर्व विद्यार्थ्यांना
सूचित करण्यात येते की मायक्रोबायोलॉजी विभागामध्ये “Industrial
waste water management” हा कोर्स सुरू करण्यात येत आहे .
तरी इच्छुक विद्यार्थ्यांनी प्रवेशासाठी मायक्रोबायोलॉजी विभागाशी
(रूम.६६) दि.२३.११.२०२१ पर्यंत संपर्क साधावा .

Head/Co-ordinator
Department of Microbiology
Vivekanand College Kolhapur

Handwritten note: 10/11/2021

Handwritten note: 10/11/2021

Handwritten note: P.P. Vasankar

Handwritten note: II (Chem) Suresh

Handwritten note: I (Chem) K. S.

Handwritten note: I Entire Biotech O.S.

Handwritten note: I Entire Biotech Piyush

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

Department of Microbiology

Add On Course 2021-2022

Name of the course – “Industrial waste water management”

LIST OF STUDENTS

Sr. No.	Name of Student	Class
1	Ms. Aarohi Anil Tadwale	B.Sc. II
2	Ms. Manasi Suresh Ghosalkar	B.Sc. II
3	Ms. Gayatri Pramod Basare	B.Sc. II
4	Ms. Pavanashwari Mallappa Kamble	B.Sc. II
5	Ms. Kishori Narayan Padwal	B.Sc. II
6	Ms. Shrutika Sambhaji Powar	B.Sc. II
7	Ms. Manasi Shekhar Killedar	B.Sc. II
8	Ms. Nisha Shashikant Jadhav	B.Sc. II
9	Ms. Madhura Buddhiraj Patil	B.Sc. II
10	Ms. Diptee Bajirao Shirolkar	B.Sc. II
11	Ms. Shital Ekanath Powar	B.Sc. II
12	Ms. Vaishnavi Mahesh Baganikar	B.Sc. II
13	Ms. Shweta Santosh Patil	B.Sc. III
14	Ms. Divya Vitthal Wakrushe	B.Sc. III
15	Ms. Sakshi Krishna Kurdekar	B.Sc. III (Biotech)
16	Ms. Karina Suraj Bagade	B.Sc. III
17	Ms. Siddhi Dhananjay Salwankar	B.Sc. III
18	Mr. Prasad Ashok Bandivadekar	B.Sc. III
19	Mr. Yash Sandesh Barapatre	B.Sc. III
20	Mr. Pranav Shriram Datar	B.Sc. III
21	Mr. Mayur Manohar Katale	B.Sc. III
22	Ms. Saniya Rajvardhan Sawant	B.Sc. III
23	Ms. Shamita Shital Patil	B.Sc. III
24	Ms. Veda Sunil Sakhalkar	B.Sc. III
25	Ms. Pratiksha Prabhakar Pange	B.Sc. III
26	Ms. Roma Baramdin Kesarwani	B.Sc. III
27	Ms. Ashwini Shivaji Khot	B.Sc. III

28	Ms. Phulabai Prakash Powar	B.Sc. III
29	Ms. Aditi Ajay Jadhav	B.Sc. III
30	Ms. Shraddha Adinath Davang	B.Sc. III
31	Ms. Sana Chand Mullani	B.Sc. III
32	Ms. Saniya Shakil Shaikh	B.Sc. III
33	Ms. Shagufta Rizwan Moulavi	B.Sc. III
34	Ms. Sujata Ramashish Dixit	B.Sc. III
35	Ms. Vaishanavi Vinayak Ghadage	B.Sc. III
36	Ms. Abhilasha Yadav	B.Sc. III (Zoology)
37	Ms. Divya Ashok Kulkarni	B.Sc. III
38	Ms. Ruth More	B.Sc. III

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

Department of Microbiology

Value added course (2021-22)

Name of the course – “Industrial waste water management”

Syllabus Distribution

Unit	Topic	No. of Lectures	Name of the Teacher
I	Fundamentals of Environmental pollution	14	Ms. S.V. Jadhav
II	Bioremediation	13	Ms. S.A.Pise
III	Waste water treatment technologies	13	Ms.V.V.Misal
IV	Practicals		
	1. Determination of chloride content of water		Mr. Vikas Patil
	2. Determination of oil and grease content of water		Mr. Vikas Patil
	3. Determination of physical parameters of waste water- Temperature, color, odor, pH		Mr. Vikas Patil
	4.Preparation of cultural media and its sterilization		Mr. S. D. Gabale
	5. Determination of fecal contamination of water – Qualitative & Quantitative estimation.		Mr. S. D. Gabale
	6. Determination of Biological oxygen demand		Mr. S. D. Gabale
	7. Determination of Chemical oxygen demand		Mr. S. D. Gabale
	8. Determination of most probable number		Ms. S. D. Gabale
	9. Determination of standard plate count		Mr. S. D. Gabale
	10. Determination of total dissolved solids		Mr. Vikas Patil
	11. Alkalinity of water		Mr. Vikas Patil
	12. Electric conductivity of water		Mr. A. T. Mane

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

Department of Microbiology

Value added course 2021-22

“Industrial Waste Water Management”

Time table

Date: 02/12/2021

All the students of value added course “Industrial waste water management” of Microbiology department are hereby informed that, the lectures and practical’s of the course will be conducted on Monday and Tuesday of every week from 10:00 am to 11:30 am from 6th Dec., 2021.



Course Co-ordinator

Vivekanand college (Autonomous), Kolhapur

Department of Microbiology

Valueadded course 2021-2022

Sr. No.	Name of student	6/12/21	7/12/21	20/12/2021	03/01/22	04/01/22	13/01/22	14/01/22	17/01/22	03/03/22	04/03/22
1	Ms. Priyanka S. Koli	A	A	A	A	A	A	A	A	A	A
2	Ms. Vaishnavi M. Baganikar	A	A	A	A	A	A	A	A	A	A
3	Ms. Kishori N. Padwal	A	A	A	A	A	A	P	P	P	P
4	Ms. Shrutika S. Powar	A	A	A	A	A	A	P	P	P	P
5	Ms. Manasi S. Killedar	A	A	A	A	A	A	A	P	P	P
6	Ms. Nisha S. Jadhav	A	A	A	A	A	A	A	P	P	P
7	Ms. Sayma S. Aga	A	A	A	A	A	A	A	A	A	A
8	Ms. Tanjila B. Mokashi	A	A	A	A	A	A	A	A	A	A
9	Ms. Madhura B. Patil	A	A	A	A	A	A	A	A	P	P
10	Ms. Shivani R. Patil	A	A	A	A	A	A	A	A	P	P
11	Ms. Gayatri P. Basare	A	A	A	A	A	A	A	P	P	P
12	Ms. Aarohi A. Tadwale	A	A	A	A	A	A	P	P	P	P
13	Ms. Pavanashwari M. Kamble	A	A	A	A	A	A	P	P	P	P
14	Ms. Diptee B. Shirolkar	A	A	A	A	A	A	A	A	A	A
15	Ms. Shital E. Powar	A	A	A	A	A	A	P	P	P	P
16	Ms. Shweta S. Patil	A	A	A	A	A	A	A	P	P	P
17	Ms. Divya A. Kulkarni	A	A	A	A	A	A	P	P	A	P
18	Mr. Mayur M. Katala	A	A	A	A	A	A	P	A	A	A
19	Mr. Rohan R. Manuvel	A	A	A	A	A	A				
20	Ms. Snehal D. Mane	A	A	A	A	A	A	P	A	P	A
21	Ms. Divya V. Wakrushe	A	A	A	A	A	A	P	P	P	P
22	Ms. Sakshi K. Kurdekar	A	A	A	A	A	A	P	P	P	P
23	Ms. Veda S. Sakhalkar	A	A	A	A	A	A	P	P	P	P
24	Ms. Karina S. Bagade	A	A	A	A	A	A	A	A	A	A
25	Ms. Siddhi D. Salwankar	A	A	A	A	A	A	P	P	P	P
26	Ms. Saniya R. Sawant	A	A	A	A	A	A	P	P	A	P
27	Ms. Shamita A. Patil	A	A	A	A	A	A	P	P	P	P
28	Mr. Prasad A. Bandivadekar	A	A	A	A	A	A	P	P	P	P
29	Mr. Pranav S. Datar	A	A	A	A	A	A	P	P	P	P
30	Mr. Yash S. Barapatre	A	A	A	A	A	A	P	P	P	P
31	Ms. Pratiksha P. Pange	A	A	A	A	A	A	P	P	P	P
32	Ms. Roma B. Kesarwani	A	A	A	A	A	A	P	P	P	P
33	Ms. Ashwini S. Khot	A	A	A	A	A	A	P	P	P	P
34	Ms. Phulabai P. Powar	A	A	A	A	A	A	P	P	P	P
35	Ms. Aditi A. Jadhav	A	A	A	A	A	A	P	P	P	P
36	Ms. Shraddha A. Davang	A	A	A	A	A	A	P	P	P	P
37	Ms. Sana C. Mullani	A	A	A	A	A	A	A	A	A	P
38	Ms. Saniya S. Shaikh	A	A	A	A	A	A	P	A	A	P
39	Ms. Shagufta R. Moulavi	A	A	A	A	A	A	A	A	A	P
40	Ms. Sujata R. Dixit	A	A	A	A	A	A	P	P	P	P
41	Ms. Vaishnavi V Ghatage	A	A	A	A	A	A	A	A	A	A
42	Ms. Manasi S. Ghosalkar	A	A	A	A	A	A	A	P	P	P
43	Ms. Abhilasha A Yadar			A	A	A	A	P	P	P	P
44	Ruth mose	A	A	A	A	A	A	P	A	A	A

Vivekanand college (Autonomous), Kolhapur

Department of Microbiology
Value added course 2021-2022

Practical attendance

Sr. No.	Name of student	21/1/22	8/1/22	8/1/22	8/1/22	10/1/22	10/1/22	10/1/22
1	Ms. Pnyanka S. Koli	A	A	A	A	A	A	A
2	Ms. Vaishnavi M. Baganikar	A	A	A	A	A	A	A
3	Ms. Kishori N. Padwal	A	A	A	A	A	A	A
4	Ms. Shrutika S. Powar	A	A	A	A	A	A	A
5	Ms. Manasi S. Killedar	A	A	A	A	A	A	A
6	Ms. Nisha S. Jadhav	A	A	A	A	A	A	A
7	Ms. Sayma S. Aga	A	A	A	A	A	A	A
8	Ms. Tanjila B. Mokashi	A	A	A	A	A	A	A
9	Ms. Madhura B. Patil	A	A	A	A	A	A	A
10	Ms. Shivani R. Patil	A	A	A	A	A	A	A
11	Ms. Gayatri P. Basare	A	A	A	A	A	A	A
12	Ms. Aarohi A. Tadwale	A	A	A	A	A	A	A
13	Ms. Pavanashwari M. Kamble	A	A	A	A	A	A	A
14	Ms. Diptee B. Shirolkar	A	A	A	A	A	A	A
15	Ms. Shital E. Powar	A	A	A	A	A	A	A
16	Ms. Shweta S. Patil	A	A	A	A	A	A	A
17	Ms. Divya A. Kulkarni	A	A	A	A	A	A	A
18	Mr. Mayur M Katala	A	A	A	A	A	A	A
19	Ms. Divya V. Wakrushe	A	A	A	A	A	A	A
20	Ms. Sakshi K. Kurdekar	A	A	A	A	A	A	A
21	Ms. Veda S. Sakhalkar	A	A	A	A	A	A	A
22	Ms. Karina S. Bagade	A	A	A	A	A	A	A
23	Ms. Siddhi D. Salwankar	A	A	A	A	A	A	A
24	Ms. Saniya R. Sawant	A	A	A	A	A	A	A
25	Ms. Shamita A. Patil	A	A	A	A	A	A	A
26	Mr. Prasad A. Bandivadekar	A	A	A	A	A	A	A
27	Mr. Pranav S. Datar	A	A	A	A	A	A	A
28	Mr. Yash S. Barapatre	A	A	A	A	A	A	A
29	Ms. Pratiksha P. Pange	A	A	A	A	A	A	A
30	Ms. Roma B. Kesarwani	A	A	A	A	A	A	A
31	Ms. Ashwini S. Khot	A	A	A	A	A	A	A
32	Ms. Phulabai P. Powar	A	A	A	A	A	A	A
33	Ms. Aditi A. Jadhav	A	A	A	A	A	A	A
34	Ms. Shraddha A. Nayang	A	A	A	A	A	A	A
35	Ms. Sarfa C. Mullani	A	A	A	A	A	A	A
36	Ms. Saniya S. Shaikh	A	A	A	A	A	A	A
37	Ms. Shagufta R. Moulavi	A	A	A	A	A	A	A
38	Ms. Sujata R. Dixit	A	A	A	A	A	A	A
39	Ms. Vaishnavi V Ghatage	A	A	A	A	A	A	A
40	Ms. Manasi S. Ghosalkar	A	A	A	A	A	A	A
41	Abhilasha Yadav	A	A	A	A	A	A	A
42	Ruth more	A	A	A	A	A	A	A

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

Department of Microbiology

Value Added Course 2021-2022

“Waste Water Management”

EXAM NOTICE

All the students of Value added course “Waste water management” are hereby informed that the theory and practical examination of the course are scheduled on 27th and 28th April, 2022 respectively. The certificates will be given only after passing the examination.



Course Co-ordinator

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

Department of Microbiology

Value Added Course 2021-2022

“Waste Water Management”

EXAM TIME TABLE

SR. NO.	EXAM	DATE	TIME
1	THEORY	27/04/2022	9am to12am
2	PRACTICAL	28/04/2022	9am to12am

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR
Department of Microbiology
Value Added Course
"Waste Water Management"
Theory Examination 2021-2022

Date: 27th April, 2022

Time- 9.00am to 12.00pm

Total marks- 100

- Instructions: 1) All questions are compulsory
2) Draw neat labeled diagram wherever necessary.
3) Figures to the right indicates full marks

Q.1 Rewrite the sentence by choosing most correct alternative from the given alternatives. 20

i. treatment removes total solids present in sewage.

- a) Primary b) Secondary c) Tertiary d) Quaternary

ii. of the following is a tertiary treatment process.

- a) Oxidation pond b) Trickling filter c) Chlorination d) Anaerobic sludge digestion

iii. In..... stage of an anaerobic sludge digestion methane is formed..

- a) Hydrolysis b) Methanogenesis c) Acetogenesis d) Acetogenesis

iv. The natural place of an organism or community is known as

- a) Niche b) Biome c) Habitat d) Habit

v. Pesticide fertilizer causes pollution of.....

- a) Air b) Water c) Soil d) Oil

vi. is a residue left after burning.

- a) TDS b) TSS c) Ash d) TVS

vii. process use plant or algae to remove contaminant from environment.

- a) Bioaccumulation b) Bioextraction c) Phytoextraction d) Biotransformation

viii. As per BIS, the BOD value of water should be less than mg/litre

- a) 300 b) 200 c) 100 d) 1000

ix. SPC is

- a) Simple plate count b) Sequence plate count c) Standard plate count d) Standard plaque count

x. The amount of oxygen required for oxidation of organic matter by Microorganisms is known as.....

- a) Dissolved Oxygen b) BOD c) COD d) Total organic count

xi. The complete description of environment is involved in.....

- a) Baseline studies b) Identification of impacts c) Prediction of impacts d) Evaluation of impacts

xii. Total viable microbial count can be determined by using..... method.

- a) DMC b) SPC c) COD d) BOD

- xiii. To determine COD is used as oxidising agent.
 a) Pottasium sulfate b) Pottassium iodide c) Pottasium dichromate d) Sodium dichromate
- xiv. is a physical characteristic of waste water.
 a) pH b) Total dissolved solids c) Total alkalinity d) Temperature
- xv. COD value is always than BOD.
 a) Lower b) Higher c) Equals to d) None of the above
- xvi. is used to increase rate of sedimentation in water.
 a) Calcium sulfate b) MgSO₄ c) Alum d) Sodium sulfate
- xvii. Trickling filter is an example of treatment process.
 a) Primary b) Secondary c) Tertiary d) Pretreatment
- xviii. is economically beneficial biological treatment process, as it produces biogas.
 a) Aerobic digestion b) Trickling filter c) Oxidation ponds d) Anaerobic sludge digestion
- xix. method indirectly measures concentration of organic compounds in water.
 a) Dissolved oxygen b) Total organic count c) Chemical oxygen demand d) All of above
- xx. In anaerobic digestion treatment process..... gas is generated.
 a) NO₂ b) CO c) CH₄ d) SO₂

Q.2 Attempt any two-

- ii) Explain physical & chemical methods of water pollution monitoring.
- iii) Describe Environmental impact assessment
- ii) Explain in detail reclamation of waste land
- iii) Explain various Physico-chemical characteristics of water.

Q.4 Attempt any four-

- i) Root zone technology
- ii) Characters of Solid waste
- iii) Biomagnification of Xenobiotic molecules
- iv) Factors affecting biodegradation and enzymes system for biodegradation
- v) Primary treatment of waste water
- vi) Trickling filter

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

Department of Microbiology
Value Added Course
"Waste Water Management"
Practical Examination 2021-2022

Date: 28th April, 2022
Time- 9.00am to 12.00pm

Total marks- 50

Q. 1. Determine the potability of the given water sample by MPN method.

OR

15

Enumerate the bacteria in the given sample by SPC method.

OR

Determine BOD of the given sewage sample.

OR

Determine COD of the given sewage sample.

Q. 2. Determine alkalinity of given water sample by using suitable technique.

OR

10

Determine total dissolved solid content of water by using suitable technique

Q.3 Journals

10

Q.4. Answer the spots A, B, C, D and E.

10

Q.5. Viva Voce

05

Vivekanand college (Autonomous), Kolhapur

Department of Microbiology

Value added course 2021-2022

Theory Exam attendance

Date: 27/04/2022

Sr. No.	Name of Student	Signature
1	Ms. Aarohi Anil Tadwale	<i>Tadwale</i>
2	Ms. Manasi Suresh Ghosalkar	<i>Ghosalkar</i>
3	Ms. Gayatri Pramod Basare	<i>P Basare</i>
4	Ms. Pavanashwari Mallappa Kamble	<i>P Kamble</i>
5	Ms. Kishori Narayan Padwal	<i>K Padwal</i>
6	Ms. Shrutika Sambhaji Powar	<i>S Powar</i>
7	Ms. Manasi Shekhar Killedar	<i>M Killedar</i>
8	Ms. Nisha Shashikant Jadhav	<i>N Jadhav</i>
9	Ms. Madhura Buddhiraj Patil	<i>M Patil</i>
10	Ms. Diptee Bajirao Shirolkar	<i>D Shirolkar</i>
11	Ms. Shital Ekanath Powar	<i>S Powar</i>
12	Ms. Vaishnavi Mahesh Baganikar	<i>V Baganikar</i>
13	Ms. Shweta Santosh Patil	<i>S Patil</i>
14	Ms. Divya Vitthal Wakrushe	<i>D Wakrushe</i>
15	Ms. Sakshi Krishna Kurdekar	<i>S Kurdekar</i>
16	Ms. Karina Suraj Bagade	<i>K Bagade</i>
17	Ms. Siddhi Dhananjay Salwankar	<i>S Salwankar</i>
18	Mr. Prasad Ashok Bandivadekar	<i>P Bandivadekar</i>
19	Mr. Yash Sandesh Barapatre	<i>Y Barapatre</i>
20	Mr. Pranav Shriram Datar	<i>P Datar</i>
21	Mr. Mayur Manohar Katale	<i>M Katale</i>
22	Ms. Saniya Rajvardhan Sawant	<i>S Sawant</i>
23	Ms. Shamita Shital Patil	<i>S Patil</i>
24	Ms. Veda Sunil Sakhalkar	<i>V Sakhalkar</i>
25	Ms. Pratiksha Prabhakar Pange	<i>P Pange</i>
26	Ms. Roma Baramdin Kesarwani	<i>R B. K.</i>
27	Ms. Ashwini Shivaji Khot	<i>A Khot</i>
28	Ms. Phulabai Prakash Powar	<i>P Powar</i>
29	Ms. Aditi Ajay Jadhav	<i>A Jadhav</i>
30	Ms. Shraddha Adinath Davang	<i>S Davang</i>
31	Ms. Sana Chand Mullani	<i>S Mullani</i>
32	Ms. Saniya Shakil Shaikh	<i>S Shaikh</i>
33	Ms. Shagufta Rizwan Moulavi	<i>S Moulavi</i>
34	Ms. Sujata Ramashish Dixit	<i>S Dixit</i>
35	Ms. Vaishanavi Vinayak Ghadage	<i>V Ghadage</i>
36	Ms. Abhilasha Yadav	<i>A Yadav</i>
37	Ms. Divya Ashok Kulkarni	<i>D Kulkarni</i>
38	Ms. Ruth More	<i>R More</i>

Vivekanand college (Autonomous), Kolhapur

Department of Microbiology

Value added course 2021-2022

Practical Exam attendance

Date: 28/04/2022

Sr. No.	Name of Student	Signature
1	Ms. Aarohi Anil Tadwale	Aadwale
2	Ms. Manasi Suresh Ghosalkar	Mghosalkar
3	Ms. Gayatri Pramod Basare	GpBasare
4	Ms. Pavanashwari Mallappa Kamble	Pkamble
5	Ms. Kishori Narayan Padwal	KPadwal
6	Ms. Shrutika Sambhaji Powar	SPowar
7	Ms. Manasi Shekhar Killedar	MShk
8	Ms. Nisha Shashikant Jadhav	NJadhav
9	Ms. Madhura Buddhiraj Patil	MBPatil
10	Ms. Diptee Bajirao Shirolkar	DShirolkar
11	Ms. Shital Ekanath Powar	SEkanath
12	Ms. Vaishnavi Mahesh Baganikar	VMBaganikar
13	Ms. Shweta Santosh Patil	SPatil
14	Ms. Divya Vitthal Wakrushe	D.V.W
15	Ms. Sakshi Krishna Kurdekar	SKurdekar
16	Ms. Karina Suraj Bagade	KBagade
17	Ms. Siddhi Dhananjay Salwankar	SSalwankar
18	Mr. Prasad Ashok Bandivadekar	PABandivadekar
19	Mr. Yash Sandesh Barapatre	YSBarapatre
20	Mr. Pranav Shriram Datar	PSDatar
21	Mr. Mayur Manohar Katale	MMKatale
22	Ms. Saniya Rajvardhan Sawant	RSawant
23	Ms. Shamita Shital Patil	SPatil
24	Ms. Veda Sunil Sakhalkar	VSSakhalkar
25	Ms. Pratiksha Prabhakar Pange	PPP
26	Ms. Roma Baramdin Kesarwani	RKesarwani
27	Ms. Ashwini Shivaji Khot	AKhot
28	Ms. Phulabai Prakash Powar	PPowar
29	Ms. Aditi Ajay Jadhav	AJadhav
30	Ms. Shraddha Adinath Davang	SDavang
31	Ms. Sana Chand Mullani	SMullani
32	Ms. Saniya Shakil Shaikh	SShaikh
33	Ms. Shagufta Rizwan Moulavi	SRMoulavi
34	Ms. Sujata Ramashish Dixit	SRDixit
35	Ms. Vaishnavi Vinayak Ghadage	VVGhadage
36	Ms. Abhilasha Yadav	AYadav
37	Ms. Divya Ashok Kulkarni	DKulkarni
38	Ms. Ruth Madan More	RMMore

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

Department of Microbiology

Value Added Course 2021-2022

Name of the course – “Waste water management”

RESULT

Sr. No.	Name of Student	Roll number	Theory marks (Out of 100)	Practical marks (Out of 50)
1	Ms. Aarohi Anil Tadwale	101	37	35
2	Ms. Shweta Santosh Patil	102	69	40
3	Ms. Gayatri Pramod Basare	103	65	28
4	Ms. Karina Suraj Bagade	104	62	30
5	Ms. Kishori Narayan Padwal	105	40	42
6	Ms. Siddhi Dhananjay Salwankar	106	82	38
7	Ms. Manasi Shekhar Killedar	107	60	40
8	Mr. Mayur Manohar Katale	108	35	20
9	Ms. Madhura Buddhiraj Patil	109	50	28
10	Ms. Shamita Shital Patil	110	70	35
11	Ms. Shital Ekanath Powar	111	72	40
12	Mr. Yash Sandesh Barapatre	112	67	44
13	Ms. Manasi Suresh Ghosalkar	113	35	23
14	Ms. Divya Vitthal Wakrushe	114	44	20
15	Ms. Sakshi Krishna Kurdekar	115	41	32
16	Ms. Aditi Ajay Jadhav	116	76	42
17	Ms. Shrutika Sambhaji Powar	117	39	38
18	Mr. Prasad Ashok Bandivadekar	118	50	40
19	Ms. Vaishnavi Mahesh Baganikar	119	35	28
20	Mr. Pranav Shriram Datar	120	77	45
21	Ms. Nisha Shashikant Jadhav	121	35	32
22	Ms. Saniya Rajvardhan Sawant	122	52	35
23	Ms. Diptee Bajirao Shirolkar	123	49	35
24	Ms. Veda Sunil Sakhalkar	124	75	42
25	Ms. Pratiksha Prabhakar Pange	125	38	30
26	Ms. Roma Baramdin Kesarwani	126	72	25
27	Ms. Abhilasha Avinash Yadav	127	42	34
28	Ms. Phulabai Prakash Powar	128	95	45
29	Ms. Pavanashwari Mallappa Kamble	129	49	32
30	Ms. Shraddha Adinath Davang	130	59	42

31	Ms. Sana Chand Mullani	131	91	43
32	Ms. Saniya Shakil Shaikh	132	68	45
33	Ms. Shagufta Rizwan Moulavi	133	57	42
34	Ms. Sujata Ramashish Dixit	134	64	42
35	Ms. Vaishanavi Vinayak Ghadage	135	84	40
36	Ms. Ashwini Shivaji Khot	136	95	42
37	Ms. Divya Ashok Kulkarni	137	38	38
38	Ms. Ruth Madan More	138	50	35



"Education for Knowledge, Science and Culture"

- Shikshanmaharshi Dr. Bapuji Satunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

NAAC Accredited 'A' Grade with CGPA 3.24, College with Potential for Excellence

by UGC, Star College by DBT, Govt. of India



**Department of
Microbiology**

Certificate

This is to certify that

Roll No. 102

Miss. Shweta Santosh Patil

of **B.Sc. I/III/III**

has **successfully** completed the value added course on

"Waste water management" carried out in the Department of Microbiology,
Vivekanand College, Kolhapur during academic year 2021-22.

This certificate is awarded to him/her after passing theory and practical examination.



Mr. S. D. Gabale
Course co-ordinator



Dr. R. R. Kumbhar
Principal

"Education for Knowledge, Science and Culture."

– Shikshanmaharshi Dr. Bapuji Salunkhe
Shri Swami Vivekanand Shikshan Sanstha's Kolhapur

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR.

Department of Botany

Value Added Course

1) Name of the Course :

"Sustainable Agriculture "

2) Course Objective :

1. The aim of the course is better use of land and reduce the pollution.
2. This course provides comprehensive training to a professional level for employment as a Water management consultant, Agrifood consultant, Program officer.
3. Help the students prepare for entry level positions in Agritourism and Farmland preservation.

3) Course outcome:

1. To create awareness among students about protection and enhancement of the environment and Natural resources.
2. To make the best use of natural resources available.
3. Produce sufficient high quality and safe food.
4. Provide sufficient financial reward to the farmer.

4) Duration of the course : 6 months

5) Expenditure: 30,000/

6) Intake capacity: 60 students

7) Exam Pattern: Theory and Practical

1) Theory – 50 (hr.)

2) Practical - 30 (hr.)

8) Syllabus :

Paper I : Sustainable Agriculture

50 hr

Unit I : Agronomy introduction, Importance of agriculture in India and Maharashtra, Hunger and Food security, and sustainable agriculture, commercial agriculture, Urban agriculture , major farming systems of India, study of different crops from cereal, legume, oil and cash crop category.

Unit II : Organic Farming: Concepts and principles of organic farming ,

Key indicators of sustainable agriculture, organic farming and climate change.

Unit III : Soil nutrient management; compost production, vermicomposting, Vermiwash
Compost quality, Compost utilization and marketing, Integrated nutrient management.

Unit IV : Agriculture practices : Tillage, Crop rotation, Cover crops, Water management
Weed management, Disease management, Integrated pest management,
sustainable post harvest management practices.

Unit V : Agritourism, Food waste management, Direct marketing, Quality analysis of
organic foods, Antioxidants and their natural source, organic food and human
health, Standards of organic food and marketing.

9) Practical Syllabus:

30 hr.

1) Traditional and advanced techniques of agriculture.

2) Preparation of vermiwash, FYM and biofertilizers.

- 3) Techniques of Irrigation.
 - 4) Preparation of Biopesticides.
 - 5) Agritourism model study.
 - 6) Quality analysis of organic food and standards of organic food.
 - 7) Different methods of sowing.
 - 8) Study of natural pest predators.
 - 9) Identification of cereals, legumes, oil and cash crops.
 - 10) Seed treatment with *Rhizobium*.
 - 11) Familiarization with green manure crops and cover crops.
 - 12) Coir pith composting.
- 10) **Exam pattern :**
- a) Theory : 50 marks (Multiple choice questions)
 - b) Practical : 50 marks

Suggested Readings

1. Balasubramaniyan P. and Palaniappan S. P. 2001, Principles and Practices of Agronomy, AgroBios(India)Ltd, Jodhpur.
2. De, G. C. 1989, Fundamentals of Agronomy, Oxford and IBH publishing co., New Delhi.
3. Reddy T.Y and Reddy G.H.S. 1995.Principles of Agronomy, Kalyani Publisher, Ludhiana.
4. Mani, M. S. 1968. General Entomology, Oxford and IBH publishing co., New Delhi.

श्री स्वामी विवेकानंद शिक्षण सस्थेचे
विवेकानंद कॉलेज कोल्हापूर (स्वायत्त)

वनस्पतीशास्त्र विभाग

Value Added Course 2021-22

“Sustainable Agriculture”

नोटीस

बी.एस्सी. भाग २ व ३ मधील सर्व विद्यार्थ्यांना सुचित करण्यात येते की वनस्पतीशास्त्र विभागमध्ये “Sustainable Agriculture” हा कोर्स सुरू करण्यात येत आहे. तरी इच्छुक विद्यार्थ्यांनी प्रवेशासाठी वनस्पतीशास्त्र विभागाशी संपर्क साधावा.

Jangal
Head
Department of Botany
Vivekanand College
Kolhapur

B.Sc. III zoology *Chal*

B.Sc. III phyto *Chal*

B.Sc. III chem *Chal*

B.Sc. III mm *Chal*

B.Sc. III micro - *Chal*

B.Sc. III Myco *Chal*

B.Sc. II zoology *Chal*

B.Sc. II (P.P.) - *Chal*

B.Sc. III Biotech - *Chal*

Vivekanand College, Kolhapur (Autonomous)

Department of Botany (2021 – 2022)

Value Added Course: “Sustainable Agriculture”

Sr. No	Name of the Student	Class	Mobile no	Signature
1	Rashmi Rajendra Kamble	B.Sc. II	7498873075	
2	Shruti Jaysing Thorat	B.Sc. II	9422684509	
3	Swarupa Sanjay Bhiungade	B.Sc. II	8378988493	
4	Priyanka Maruti Patil	B.Sc. II	7822035800	
5	Pradnya Shankar Kamble	B.Sc. II	9028521680	
6	Payal Sampat Jambhale	B.Sc. II	8010546524	
7	Rasika Mahesh Gondkar			
8	Kshitij Jagannath Chougule		9145035891	
9	Prathamesh Kiran Sarnaik		9373765909	
10	Nivedita Rajkumar Magdum			
11	Shubham Subhash Shinde		7387782539	
12	Prachi Prashant Maskar	B.Sc. II	9859769090	
13	Ruchita Bajirao Chavan	B.Sc. II	9022257125	
14	Sonali Mahadev Salavi	B.Sc. III	9529858499	
15	Akanksha Rajaram Salavi	B.Sc. III	9175024089	
16	Pranoti Prakash Jadhav	B.Sc. III	9763731402	
17	Vaishanvi Satish Pingale	B.Sc. III	7276073761	
18	Mansvi Sardar Patil	B.Sc. III	9765988613	
19	Amruta Krishnat Patil	B.Sc. III	7758924455	
20	Harshada Hambirrao Patil	B.Sc. III	9923949116	
21	Snehal Sanjay Sawale	B.Sc. III	7721058578	
22	Pratiksha Ananda Kamble	B.Sc. III	8888720931	
23	Bhushan Rajaram Patil	B.Sc. III	9112131834	
24	Simantini Devendra Patil	B.Sc. II		
25	Jafar Nisar Mujawar	B.Sc. II	8080697404	
26	Jadhav Shweta Vishwas	B.Sc. III Biotech	9822975044	
27	Akanksha Shivaji Patil	B.Sc. III Biotech	9209071216	
28	Sohan Sunil Magdum	B.Sc. III Biotech	9822264079	
29	Vrushabh Suresh Chougule	B.Sc. III Biotech	8088359568	
30	Chinmay Vijay Gawade	B.Sc. III Biotech	9311932992	
31	Sourabh Vinod Dhekale	B.Sc. III Biotech	7030015209	
32	Sahil Sagar Sarada	B.Sc. III Biotech	8275405025	
33	Shreyas Dhananjay Kolekar	B.Sc. III Biotech	7768976966	
34	Vishakha Chandrkrant Nirwane	B.Sc. III Biotech	8830025991	
35	Gouri Prbhakar Madhav	B.Sc. III Biotech	9021887746	
36	Sakshi Manik Randive	B.Sc. III Biotech	9850374234	
37	Pradhumn Kumar Kamble	B.Sc. III Biotech	9689608032	

38	Sheha Anil Shintre	B.Sc. III Biotech	7338365693	
39	Rasika Ramesh Aargu	B.Sc. III Biotech	9689330529	
40	Aditi Vijay Kshirsagar	B.Sc. II	9699575504	
41	Poonam Sukhadev Pujari	B.Sc. III Biotech	9022084047	
42	Payal Dayanand Bugade	B.Sc. III Biotech	7666642141	
43	Saloni Bajirao Jadhav	B.Sc. III Biotech	8600190402	
44	Shruti Shashikant Jitkar	B.Sc. III Biotech	7875468877	
45	Priyanka Dhanaji Rajguri	B.Sc. III Biotech	7666434375	
46	Vrushali Sanjay Karande	B.Sc. III Biotech	8805078434	
47	Pranali Pratapsingh Bohite	B.Sc. III Biotech	9021403875	
48	Shivani Patil	B.Sc. III Biotech	9146988951	
49	Bhargavi R. Kugaji	B.Sc. III(CS)	8626096051	
50	Srushti R. Tandale	B.Sc. III (Maths)	7840934422	
51	Vasundhara A. Bendake	B.Sc. III (Maths)	9404774502	
52	Aqsa Manoi Mulla	B.Sc. II	8080607943	
53	Shirin Ajay Bijapurkar	B.Sc. III Biotech	9075521179	
54	Shrutika Subhash Patil	B.Sc. III Biotech	9067803411	
55	Flawjan Aurline Desa	B.Sc. III Biotech	8073484642	
56	Shailesh Appa Budake	B.Sc. III Biotech	9881354484	
57	Alim Alatif Pathan	B.Sc. III Biotech	7887350405	
58	Pranay Pundlik Kamble	B.Sc. III Biotech	7218930262	
59	Shital Balu Bodake	B.Sc. II	9763051382	
60	Pournima Sushas Bhat	B.Sc. III Biotech	8080298781	

Department of Botany

Value Added Course : " Sustainable Agriculture "

2021-2022

Sr. No.	Roll No.	Name of the student	Mobile Number	Signature
1.	325	Aragu Rasika Ramesh	9689330529	Aragu
2.	326	Balekhan Swaliha Allauddin	8605905838	Balekhan
3.	327	Bendake Vasundhara Atul	9404774502	Bendake
4.	328	Bijapurkar Shirin	9075521179	Bijapurkar
5.	329	Bodake Shital Balu	9769051982	Bodake
6.	330	Bhat Pournima Suhas	9665898826	Bhat
7.	331	Bhiungade Swarupa Sanjay	8378988493	Bhiungade
8.	332	Bhoite Pranali Prathpasinh	9021403875	Bhoite
9.	333	Bugade Payal Dayanand	766664214f	Bugade
10.	334	Chavan Ruchita Bajirao	9022257125	Chavan
11.	335	Chougule Kshitij Jagannath	9145035891	Chougule
12.	336	Chougule Vrushabh Suresh	8088859568	Chougule
13.	337	Dhekale Sourabh Vinod	7630015209	Dhekale
14.	338	Desa Flavian Aveline	8073484642	Desa
15.	339	Gurav Amruta Krishnat	7758924455	Gurav
16.	340	Gawade Chinmay Vijay	9811932992	Gawade
17.	341	Gondkar Rasika Mahesh	7796093378	Gondkar
18.	342	Jadhav Pranoti Prakash	9763781402	Jadhav
19.	343	Jadhav Saloni Bajirao	8600190402	Jadhav
20.	344	Jadhav Shweta Vishwas	9822975044	Jadhav
21.	345	Jambhale Payal Sampat	8010546528	Jambhale
22.	346	Jitakar Shruti Shashikant	7875468877	Jitakar
23.	347	Kamble Pradnya Shankar	9028521680	Kamble
24.	348	Kamble Pranay Pundlik	7218930262	Kamble
25.	349	Kamble Pratiksha Ananda	8888720931	Kamble
26.	350	Kamble Pradhumn Kumar	9689608032	Kamble
27.	351	Kamble Rashmi Rajendra	7498873075	Kamble
28.	352	Karande Vrushali Sanjay	8805078434	Karande
29.	353	Kugaji Bhargavi Ramling	8626096051	Kugaji
30.	354	Kolekar Shreyas Dhananjay	7768976966	Kolekar
31.	355	Kshirsagar Aditi Vijay	9699575504	Kshirsagar
32.	356	Madhav Gouri Prabhakar	9021887746	Madhav
33.	357	Maskar Prachi Prashant	9859769090	Maskar

34.	358	Magdum Nivedita Rajkumar	7840939485	Magdum
35.	359	Magdum Sohan Sunil	9822264079	Magdum
36.	360	Mujawar Jafar Nisar	8080697404	Mujawar
37.	361	Mulla Aqsa Manoj	8080607943	Mulla
38.	362	Nirwane Vishakha Chandrakant	8830025991	Nirwane
39.	363	Patil Akanksha Shivaji	9209071216	Patil
40.	364	Patil Bhushan Rajaram	912131834	Patil
41.	365	Patil Harshada Hambirrao	9923949116	Patil
42.	366	Patil Manasvi Sardar	9765988613	Patil
43.	367	Patil Priyanka Maruti	7822035800	Patil
44.	368	Patil Rutuja Manohar	8262933455	Patil
45.	369	Patil Shivani Shrikant	9146988957	Patil
46.	370	Patil Simantini Devendra	7756040064	Patil
47.	371	Patil Shrutika Subhash	9067803411	Patil
48.	372	Pingale Vaishnavi Satish	7276073761	V.S. Pingale
49.	373	Pujari Poonam Sukhadev	9022084047	Pujari
50.	374	Rajguru Priyanka Dhanaji	7666434375	Rajguru
51.	375	Randive Sakshi Manik	9850374234	Randive
52.	376	Salavi Sonali Mahadev	9529858499	Salavi
53.	377	Salavi Akanksha Rajaram	9175024089	Salavi
54.	378	Sarda Sahil Sagar	8275405025	Sarda
55.	379	Sarnaik Prathamesh Kiran	9373765909	Sarnaik
56.	380	Sawale Snehal Sanjay	7721058578	Sawale
57.	381	Shinde Shubham Subhash	7387782539	Shinde
58.	382	Shintre Sneha Anil	7338365693	Shintre
59.	383	Tandale Srushti Ravindra	7840934422	Tandale
60.	384	Thorat Shruti Jaysing	9422684509	Thorat

“Education for Knowledge, Science and Culture.”
–Shikshanmaharshi Dr. Bapuji Salunkhe
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
Department of Botany
Value Added Course – Sustainable Agriculture

Instructions: 1) All the questions are compulsory. **Marks:50**
2) Each question carry two marks.

Q. 1 Select appropriate answer from each of the following.

1. ..earthworm species commonly used for vermicomposting process.
 - a. *Eisenia fetida*
 - b. *Pheretina posthuma*
 - c. *Perionyx excavates*
 - d. Both a and c
2. In process of vermi-bed protection from ants....chemical is used.
 - a. DDT
 - b. Chlorpyriophosphate
 - c. Chloramphenicol
 - d. Griseofulvin
3. The highly decomposed organic matter rich in minerals like nitrogen, phosphorus and potassium, which produced from the activity of earthworms is called.....
 - a. Humus
 - b. Vermicompost
 - c. Worm casting
 - d. Compost bedding
4. Vermicompost is used as a biofertilizer because it is rich in.....
 - a. Calcium
 - b. Phosphorus
 - c. Nitrogen
 - d. All of the above
5. Organic farming methods are based upon....basic principles
 - a. One
 - b. Two
 - c. Three
 - d. Four
6. Vermicompost is...in color.
 - a. Black
 - b. Brown
 - c. Red
 - d. Pale yellow
7. Green revolution first done in the country....
 - a. India
 - b. Brazil
 - c. Australia
 - d. Mexico, USA
8. ...is the bank which gives credit for promotion and development of agriculture.
 - a. NABARD
 - b. SBI
 - c. UNION
 - d. AXIS
9. ...is the father of Green revolution.
 - a. Dr. Verghese Kurien
 - b. Norman Borlaug
 - c. M. S. Swaminathan
 - d. Rajiv Gandhi
10. The process of making milk powder from condensed buffalo milk is invented by the founder of Amul known as....
 - a. Hiralal Choughari
 - b. Nirpakh Tutaj
 - c. Dr. Verghese Kurien
 - d. Sam Pitroda
11. Maharashtra is the first state to adopt...farming technology.
 - a. Irrigated
 - b. rainfed
 - c. integrated
 - d. dry land
12. Dr. Punjabrao Deshmukh Krishi Vidyapeeth is present in....
 - a. Akola
 - b. Parbhani
 - c. Nagpur
 - d. Rahuri

13. ...is an agricultural process that uses biological fertilizers and pest control acquired from animal or plant waste.
- Organic farming
 - Chemical farming
 - Inorganic farming
 - Systematic farming
14. ...is a new system of farming or agriculture that repairs, maintains, and improves the ecological balance.
- Organic farming
 - Chemical farming
 - Inorganic farming
 - Systematic farming
15. The term 'organic farming' is coined by....
- Lord Northbourne
 - Robert Hook
 - Mendel
 - Morgen
16. ...type of organic farming involves avoiding all unnatural chemicals. pure organic farming.
- Integrated Organic Farming
 - Sustainable organic farming
 - Pure organic farming
 - none of the above
17.type of organic farming involves an integrated approach towards nutrient management and pest management.
- Integrated Organic Farming
 - Pure organic farming
 - Sustainable organic farming
 - none of the above
18. There are...indicators of Sustainable Agriculture
- One
 - Two
 - Three
 - Five
19. Agrotourism is a business for...purpose.
- Entertainment
 - Education
 - Hoteling
 - Adventure
20. In agrotourism...is a currency for exchange.
- Agriculture
 - Education
 - Hoteling
 - Adventure
21. ...is a interaction between non farmers and farmers.
- Entertainment
 - Education
 - Agrotourism
 - Adventure
22. Think before you throw is an important activity for...
- Entertainment
 - Education
 - Hoteling
 - Food waste management
23. ...activities are included in agrotourism.
- School tours
 - Fishing
 - Hunting
 - All of the above
24. The condition of drying of plant parts due to lack of water is called.....
- Water stress
 - Drought
 - Wilting
 - All of the above
25. ...type of root develops in water logging conditions.
- Taproot
 - Fibrous root.
 - Adventitious root
 - All of the above.

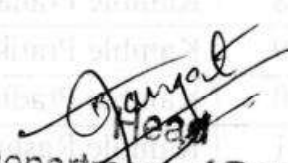
Department of Botany

Value Added Course : " Sustainable Agriculture "

Result : (Out of 100)

Sr. No.	Roll No.	Name of the student	Total Marks (Out of 100)	Grade
1.	325	Aragu Rasika Ramesh	90	A+
2.	326	Balekhan Swaliha Allauddin	88	A+
3.	327	Bendake Vasundhara Atul	90	A+
4.	328	Bijapurkar Shirin	95	O
5.	329	Bodake Shital Balu	90	A+
6.	330	Bhat Pournima Suhas	88	A+
7.	331	Bhiungade Swarupa Sanjay	85	A+
8.	331	Bhoite Pranali Prathpasinh	95	O
9.	333	Bugade Payal Dayanand	85	A+
10.	334	Chavan Ruchita Bajirao	60	B
11.	335	Chougule Kshitij Jagannath	80	A
12.	336	Chougule Vrushabh Suresh	91	O
13.	337	Dhekale Sourabh Vinod	85	A+
14.	338	Desa Flavian Aveline	99	O
15.	339	Gurav Amruta Krishnat	98	O
16.	340	Gawade Chinmay Vijay	62	B+
17.	341	Gondkar Rasika Mahesh	85	A+
18.	342	Jadhav Pranoti Prakash	91	O
19.	343	Jadhav Saloni Bajirao	88	A+
20.	344	Jadhav Shweta Vishwas	85	A+
21.	345	Jambhale Payal Sampat	91	O
22.	346	Jitakar Shruti Shashikant	95	O
23.	347	Kamble Pradnya Shankar	93	O
24.	348	Kamble Pranay Pundlik	88	A+
25.	349	Kamble Pratiksha Ananda	95	O
26.	350	Kamble Pradhumn Kumar	80	A
27.	351	Kamble Rashmi Rajendra	95	O
28.	352	Karande Vrushali Sanjay	95	O
29.	353	Kugaji Bhargavi Ramling	95	O
30.	354	Kolekar Shreyas Dhananjay	95	O
31.	355	Kshirsagar Aditi Vijay	54	B
32.	356	Madhav Gouri Prabhakar	88	A+
33.	357	Maskar Prachi Prashant	92	O

34.	358	Magdum Nivedita Rajkumar	93	O
35.	359	Magdum Sohan Sunil	93	O
36.	360	Mujawar Jafar Nisar	75	A
37.	361	Mulla Aqsa Manoj	71	A
38.	362	Nirwane Vishakha Chandrakant	88	A+
39.	363	Patil Akanksha Shivaji	86	A+
40.	364	Patil Bhushan Rajaram	76	A
41.	365	Patil Harshada Hambirrao	95	O
42.	366	Patil Manasvi Sardar	87	A+
43.	367	Patil Priyanka Maruti	87	A+
44.	368	Patil Rutuja Manohar	80	A
45.	369	Patil Shivani Shrikant	62	B+
46.	370	Patil Simantini Devendra	98	O
47.	371	Patil Shrutika Subhash	81	A+
48.	372	Pingale Vaishnavi Satish	81	A+
49.	373	Pujari Poonam Sukhadev	95	O
50.	374	Rajguru Priyanka Dhanaji	85	A+
51.	375	Randive Sakshi Manik	83	A+
52.	376	Salavi Sonali Mahadev	93	O
53.	377	Salavi Akanksha Rajaram	93	O
54.	378	Sarda Sahil Sagar	81	A+
55.	379	Sarnaik Prathamesh Kiran	69	B+
56.	380	Sawale Snehal Sanjay	84	A+
57.	381	Shinde Shubham Subhash	87	A+
58.	382	Shintre Sneha Anil	91	O
59.	383	Tandale Srushti Ravindra	71	A
60.	384	Thorat Shruti Jaysing	79	A


 Department of Botany
 Vivekanand College
 Kolhapur



"Education for Knowledge, Science and Culture"
Shikshanmaharshi Dr. Bapuji Salunkhe



Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR. (Autonomous)

NAAC Reaccredited : "A" (CGPA 3.24), College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India, ISO: 9001-2015

CERTIFICATE

This is to certify that _____
_____ has passed the Value Added Course in

with grade in the Month of year 20 The said
certificate has been issued to him/her at the Vivekanand College, Kolhapur.



Co-ordinator

Head
Department of Botany

Principal

“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार”
- शिक्षणमहर्षी प. पू. डॉ. बापुजी साळुंखे

**Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)**

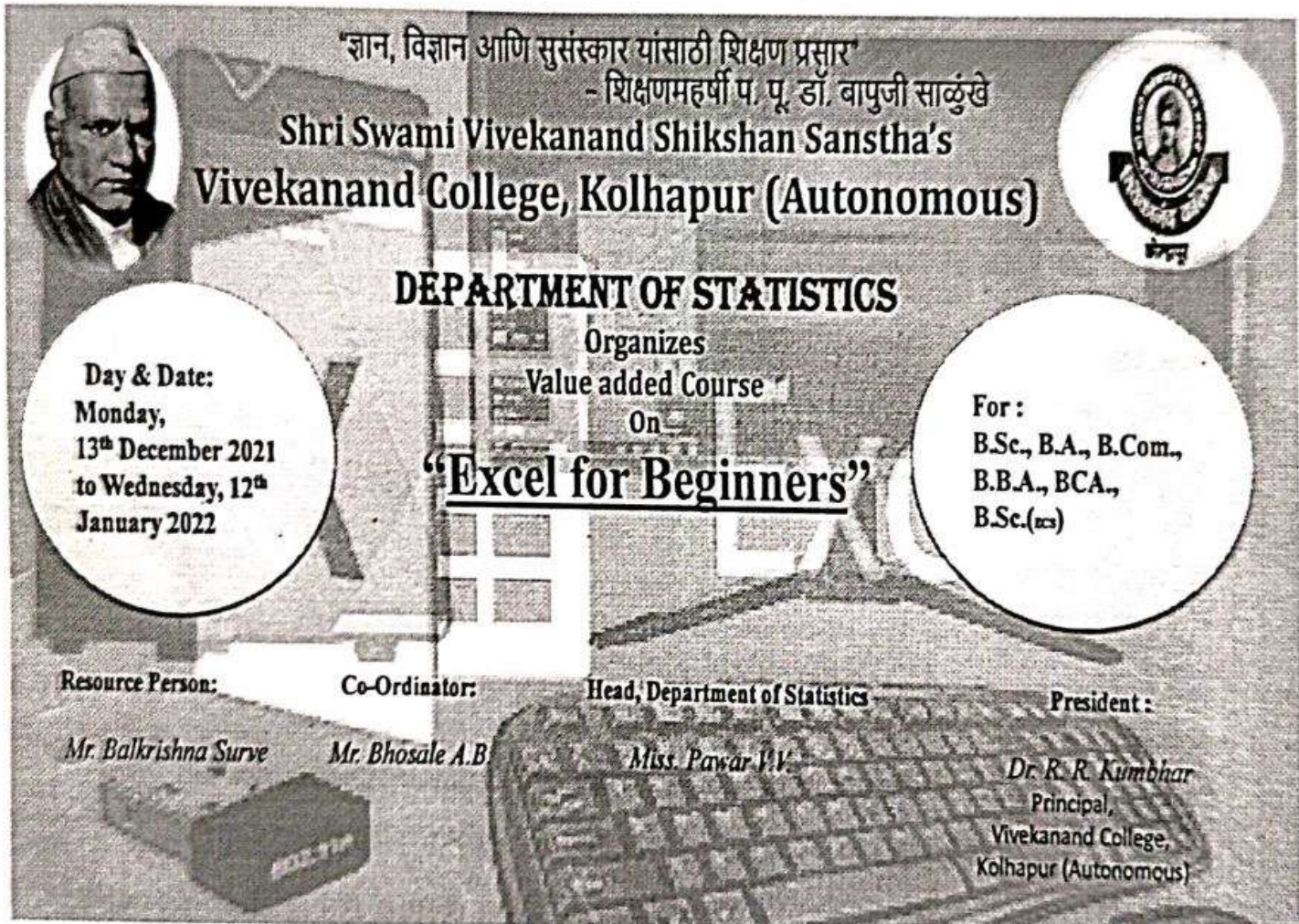


DEPARTMENT OF STATISTICS
Organizes
Value added Course
On
“Excel for Beginners”

Day & Date:
Monday,
13th December 2021
to Wednesday, 12th
January 2022

For :
B.Sc., B.A., B.Com.,
B.B.A., BCA.,
B.Sc.(cs)

Resource Person: *Mr. Balkrishna Surve*
Co-Ordinator: *Mr. Bhosale A.B.*
Head, Department of Statistics: *Miss. Pawar J.V.*
President : *Dr. R. R. Kumbhar*
Principal,
Vivekanand College,
Kolhapur (Autonomous)





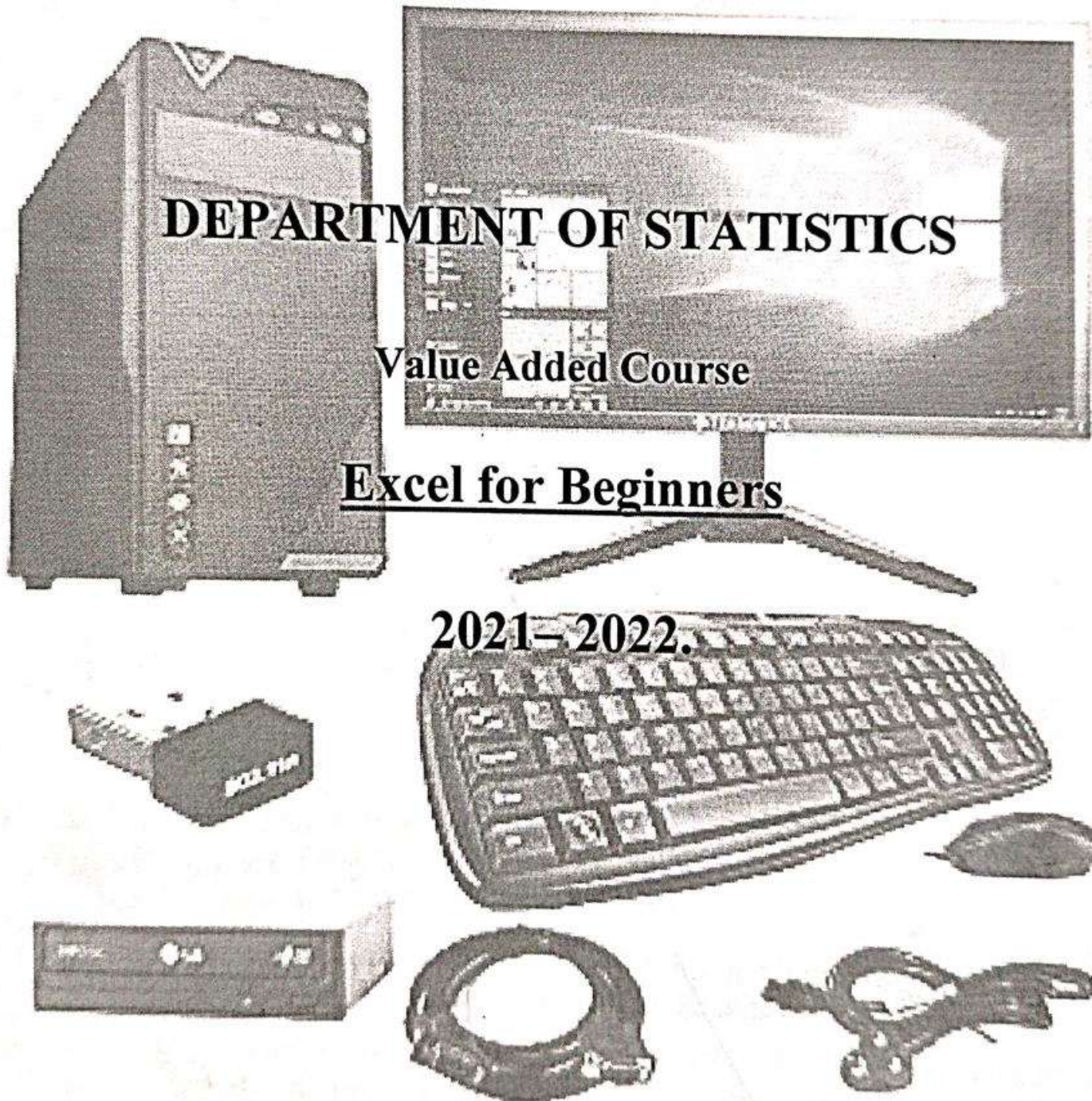
“Education for Knowledge, Science and Culture”

-Shikshahmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's



VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)



DEPARTMENT OF STATISTICS

Value Added Course

Excel for Beginners

2021-2022.

Syllabus

Sr. No.	Unit Name	Theory Period	Practical Period	Total Period
1.	Introduction of Excel How to open MS office? Understanding Ribben Understanding Workbook and worksheets Customizing Quick access tool bar Conditional formatting Page setup and print the job Shortcut keys	05	08	13
2.	Data Validation Filtering, Advance filtering Sorting	06	20	26
3.	Formula writing Add, subset, multiply, divide, percentage Sum, sumif, sumA IF, IFS, AND, OR, NOT, MAX, MIN, small, large, vlook up, hlookup, Index, Match, Is Blank, Is Error, Date and time, Maths and Trigonometric, Test-Function	10	16	26
4.	Creating, formatting Tables Names the ranges Import/Export data Insert: Charts, Pivot Tables Spark lines, Links, Text, Symbols, MACROS Record and Run Macros, Google Spreadsheet	9	16	25

A.B.B
 Co-Ordinator
 Mr. Bhosale A.B.

Rawan
 Head,
 Dept. of Statistics
 Department of Statistics
 Vivekanand College Kolhapur

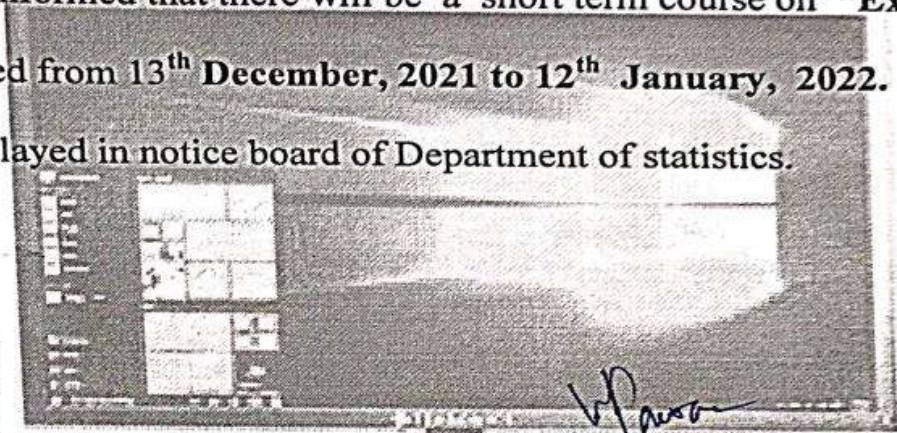
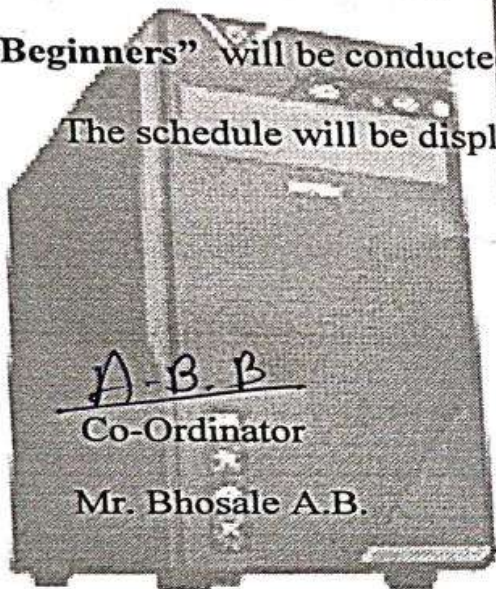
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DEPARTMENT OF STATISTICS

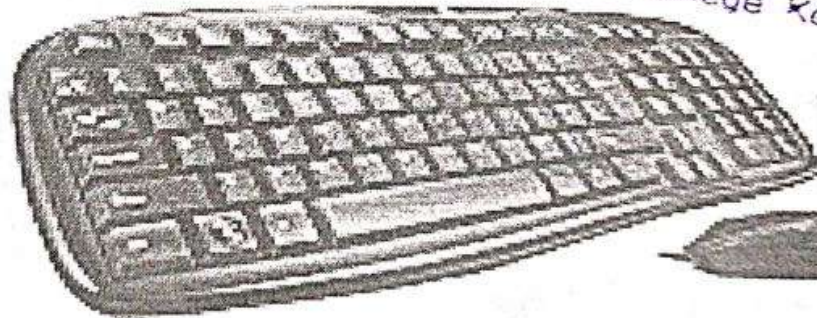
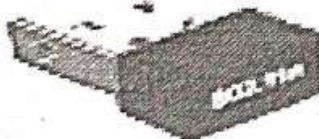
All the students hereby informed that there will be a short term course on "Excel for Beginners" will be conducted from 13th December, 2021 to 12th January, 2022.

The schedule will be displayed in notice board of Department of statistics.



VP
Head

Department of Statistics
Department of Statistics
Vivekanand College Kolhapur



विवेकानंद कॉलेज कोल्हापूर, (स्वायत्त)

संख्याशास्त्र विभाग

सूचना

दि. २६.११.२०२१

आपल्या महाविद्यालयातील संख्याशास्त्र विभागामध्ये B.A, B.Com, B.Sc. B.Sc (computer science), BBA, BCA विद्यार्थ्यांसाठी COC- Excel for Beginners सुरू करण्यात आला आहे. सब्ज सदर कोर्स ची फी ५०० रु आहे. तरी हद्दूक विद्यार्थ्यांनी आपली नावे संख्याशास्त्र विभागातील त्रिकोण चव्हाण पांच्याकडे नावे दि. २६.११.२०२१ पर्यंत द्यावी

V. Anand
Head
Department of Statistics
Vivekanand College, Kolhapur

B.Sc-II *Abhishek*
M.Sc-II *Abhishek*
B.Sc-I *Ge. Bhatkar*

B.C.A. I, II, III *Pawankumar*
B.B.A. I, II, III *Pawankumar*

B.Sc-II (Maths) *Pankaj*
B.Sc-III Chem *Pankaj*

B.Sc-III *Pankaj*
M.Sc. Chem *Pankaj*
B.Sc-III Phys *Ch*
B.Sc-III Computer *Ch*
B.Sc-III Mathematics *Anil*

Maths (39)
Stats (33)
Bot 21
Zoo (24)

List of Admitted Students

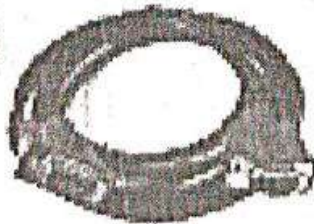
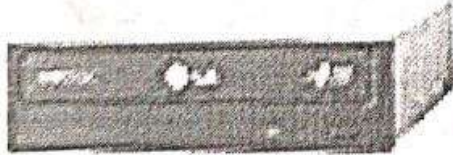
Sr. No	Name	Class/ College
1	Shruti patil	NCK
2	Shruti Kokate	Rajaram College
3	Basit Kolhapure	Rajaram College
4	Shifa Shahid Naik	Rajaram College
5	Ruturaj	Rajaram College
6	Harshad Patil	BSc II
7	Karpe Rajkumar	BSc II
8	Jhadhav Aniket	BSc II
9	Patil Sharaddha	BSc II
10	Shinde Sarika	BSc II
11	Kumbhar Tejaswini	BSc II
12	Sayali Powar	BSc II
13	Shinde Manisha	BSc II
14	Parit Vaishnavi	BSc I
15	Jadhav Vaishnavi	BSc II
16	Kanire Darshan	BSc II
17	Gawade Shweta	BSc I
18	Karne Dipali	BSc I
19	Patil Om	BSc II
20	jadhav pankaj	BSc II
21	Powar Sayali	Bsc II
22	Jamdade Manasi	Bsc II
23	Bagwan Umarajiya	Bsc III
24	Jisna Mathew	Bsc III
25	Mugdar Akansha	Bsc III
26	Patil Rutuja	Bsc III
27	Jahdhav Shradha	Bsc III
28	Dhere Rutuja	Bsc III
29	Mane Supriya	Bsc III
30	Wardake Sakshi	Bsc III
31	Barwade Sammed	Bsc III
32	Kamble Vedant	Bsc III
33	More Pranav	Bsc III
34	Jawale Shivam	Bsc III
35	Jagadale Anav	Bsc III
36	Lohar Siddhesh	Bsc III
37	Killedar Yogiraj	Bsc III
38	Kumthekar Kedar	Bsc III
39	Jitakar Siddhesh	Bsc III
40	Khot Kishor	Bsc III
41	Khamkar Akash	Bsc III

42	Salase Sakshi	Bsc III
43	Kamble Mrunali	Bsc III
44	Desai Pratiksha	Bsc III
45	Kamble Rasika	Bsc III
46	Shidvankar Siraj	Bsc III
47	Shinde Sejal	Bsc III
48	Pwar Mrunali	Bsc III
49	Gurav Pooja	Bsc III
50	Gurav Santosh	Bsc III
51	Chavan Ashish	Bsc III
52	Koshti Shweta	Bsc III
53	Magdum Samrudhi	Bsc III
54	Mujawar Sanjaya	Bsc III
55	Patil Kalayni	Bsc III
56	Patil Shreya	Bsc III
57	Patil Rohini	Bsc III
58	Patil Pranita	Bsc III
59	Pareek Sangeeta	Bsc III
60	Randive Rutuja	Bsc III
61	Tonpe Sejal	Bsc III
62	Kamble Ashwini	Bsc III
63	Mudrale Shewta	Bsc III
64	Koli Lalita	Bsc III
65	Jadhav Aakansha	Bsc III

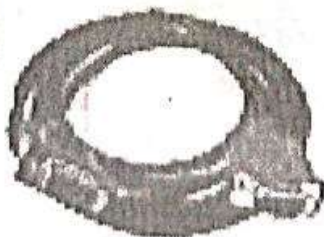
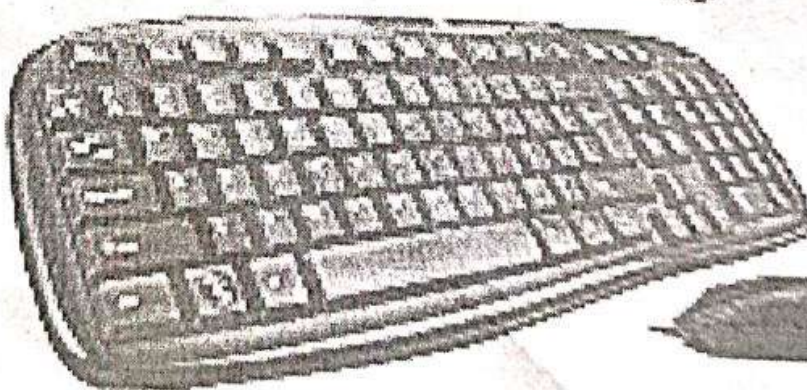
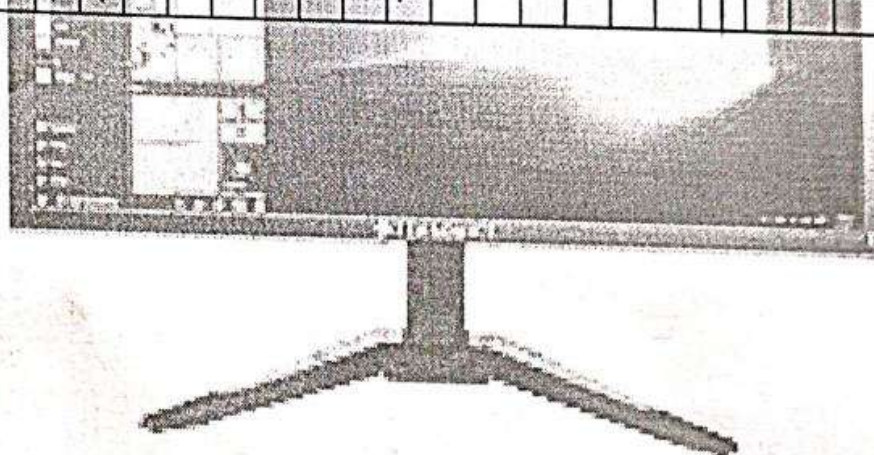
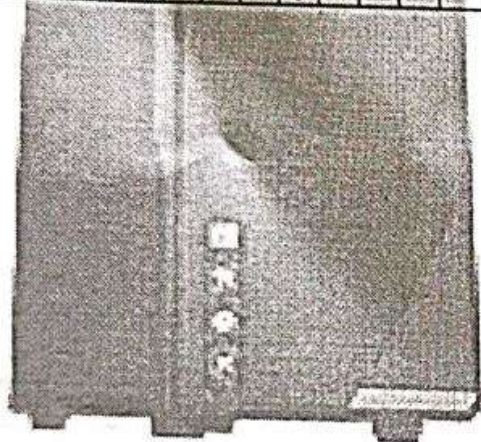
A. B. B.
Co-Ordinator
Mr. Bhosale A.B

W. P. P.
Head

Department of Statistics
Department of Statistics
Vivekanand College, Kolhapur



51	1	P	P	P	P	P	P	P	A	P	A			P	P	P	P	A	P			A	P	P	A	A	A		A	P	P
52		P	P	P	P	A	P	P	P	P	A			P	P	P	P	P	P			P	P	P	P	A	A		A	P	P
53		A	P	P	P	P	P	P	P	P				P	P	P	P	P	P			P	P	P	P	A	A		P	P	P
54		P	P	P	P	P	P	P	P	P				P	P	P	P	P	P			P	P	P	P	A	A		P	P	P
55		P	P	A	P	P	P	P	P	P				P	P	P	P	P	P			P	P	P	P	A	A		P	P	P
56		P	P	P	P	P	P	P	P	P				P	P	P	P	P	P			P	P	P	P	A	A		P	P	P
57		P	P	P	P	P	P	P	P	P				P	P	P	P	P	P			P	P	P	P	A	A		P	P	P
58		P	P	P	P	P	P	P	P	P				P	P	P	P	P	P			P	P	P	P	A	A		P	P	P
59		P	P	P	P	P	A	P	P	P				P	P	P	P	P	P			P	P	P	P	A	A		P	P	P
60		P	P	P	P	P	A	P	P	P				P	P	P	P	P	P			P	P	P	P	A	A		P	P	P
61		P	P	P	P	P	A	P	P	P				P	P	P	P	P	P			P	P	P	P	A	A		P	P	P
62		A	P	P	P	P	P	P	P	P				P	P	P	P	P	P			P	P	P	P	A	A		P	P	P
63		A	P	P	P	P	P	P	P	P				P	P	P	P	P	P			P	P	P	P	A	A		P	P	P
64		A	P	P	P	P	P	P	P	P				P	P	P	P	P	P			P	P	P	P	A	A		P	P	P
65		A	P	P	P	P	P	P	P	P				P	P	P	P	P	P			P	P	P	P	A	A		P	P	P



Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)

DEPARTMENT OF STATISTICS

Value Added Course

(Excel for Beginners)

Examination (2021-22)

Roll No.:-

Marks Obtained:-

Day, Date: **Saturday, 15/01/2022**

Marks: 50

Note: Each question is compulsory.

Q. Select the correct alternative.

1. You can copy data or formulas

- a. With the copy, paste and cut commands on the edit menu
- b. With commands on a shortcut menu
- c. With buttons on the standard toolbar
- d. All of the above

2. You can activate a cell by

- a. Pressing the Tab key
- b. Clicking the cell
- c. Pressing an arrow key
- d. All of above

3. When integrating Ms-Word and Excel, Word is usually the

- a. Server
- b. Source
- c. Client
- d. None

4. Charts tips can

- a. Show the formatting of a data label
- b. Show the name of a data series
- c. Show the value of data point
- d. b and c

5. The Name box

- a. Shows the location of the previously active cell
- b. Appears t the left of the formula bar
- c. Appears below the status bar
- d. Appears below the menu bar

6. How do you change column width to fit the contents?
- a. Single-click the boundary to the left to the column heading
 - b. Double click the boundary to the right of the column heading
 - c. Press Alt and single click anywhere in the column
 - d. All of above

7. Each excel file is called a workbook because
- a. It can contain text and data
 - b. It can be modified
 - c. It can contain many sheets including worksheets and chart sheets
 - d. You have to work hard to create it

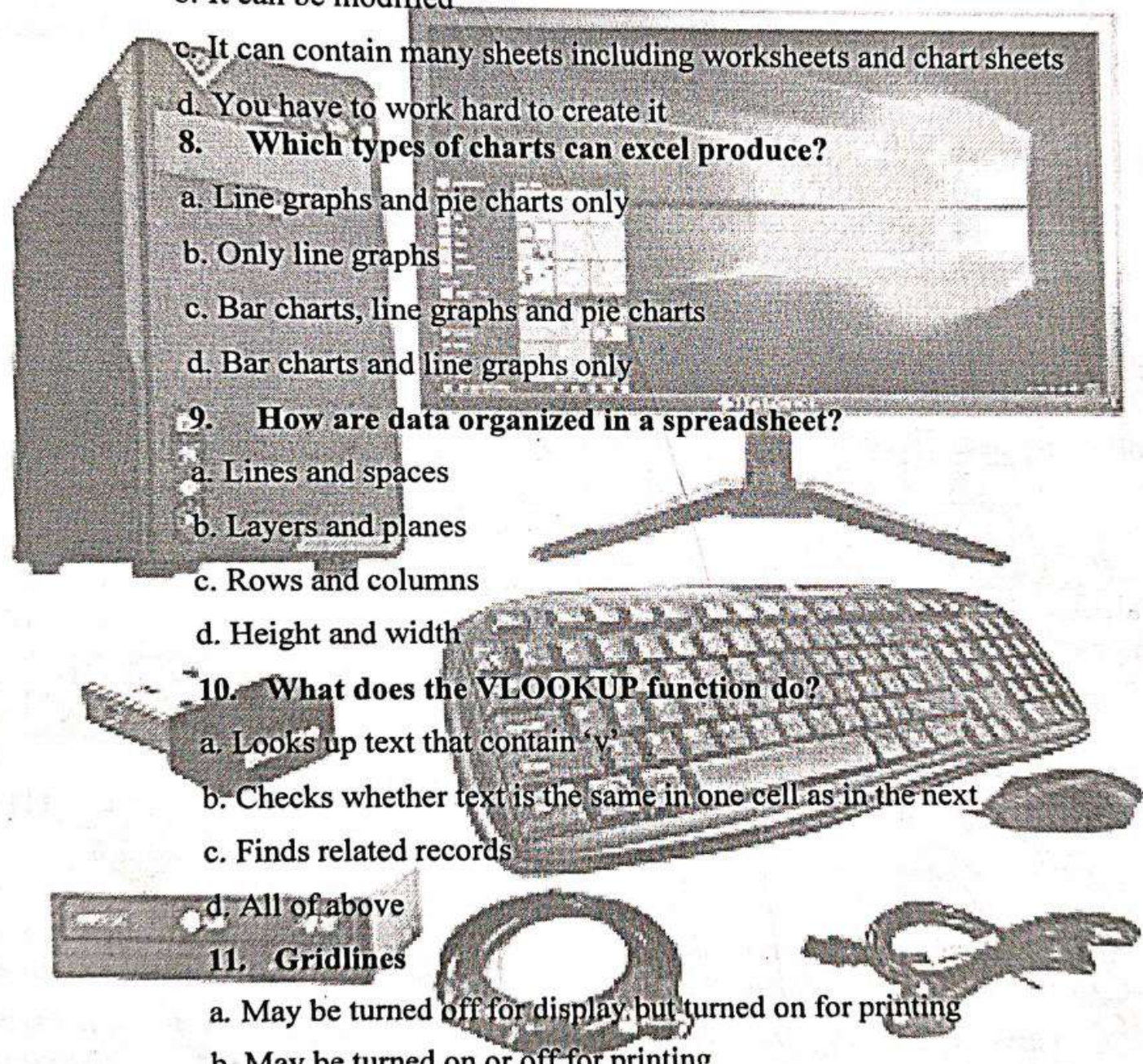
8. Which types of charts can excel produce?
- a. Line graphs and pie charts only
 - b. Only line graphs
 - c. Bar charts, line graphs and pie charts
 - d. Bar charts and line graphs only

9. How are data organized in a spreadsheet?
- a. Lines and spaces
 - b. Layers and planes
 - c. Rows and columns
 - d. Height and width

10. What does the VLOOKUP function do?
- a. Looks up text that contain 'v'
 - b. Checks whether text is the same in one cell as in the next
 - c. Finds related records
 - d. All of above

11. Gridlines
- a. May be turned off for display but turned on for printing
 - b. May be turned on or off for printing
 - c. The be turned off for display and printing
 - d. a, b and c

12. To protect a worksheet, you can choose Protection and the Protect Sheet from the..... menu.
- a. Edit
 - b. Format
 - c. Tools
 - d. Data



13. You can open the Highlight Changes dialog box by choosing Track Changes from the Menu.

- a. Edit
- b. Insert
- c. Format
- d. Tools

14. Which of the following is not a worksheet design criterion?

- a. Efficiency
- b. Auditability
- c. Description
- d. Clarity

15. To create an interactive Pivot Table for the web, you use a Microsoft Office Web component called

- a. HTML
- b. Pivot Table Field List
- c. Pivot Table List
- d. Pivot Table Report

16. Which of the following is not a valid Zoom percentage in Excel?

- a. 10
- b. 100
- c. 300
- d. 500

17. The spelling tool is placed on _____ toolbar

- a. Standard
- b. Formatting
- c. Drawing
- d. Reviewing

18. If you need a text to show vertically in a cell. How will you achieve this?

- a. Choose Vertical on Text alignment in Format Cells dialog box
- b. Choose 90 Degrees in Orientation of Format Cells dialog box
- c. Choose Distributed from the Vertical drop down list of Format Cells dialog box
- d. Choose Center Across Selection from Horizontal combo box in Format Cells dialog box

19. Special category of Number tab in Format Cells dialog box can be used to apply formats like

- a. Zip Code
- b. Phone Number
- c. Both of above
- d. None of above

20. Merge cells option can be applied from

- a. Format Cells dialog box Alignment Tab
- b. Formatting toolbar
- c. Both of above
- d. None of above

21. Pre-made sheet formats like Simple, Classic, Accounting, Colorful et can be applied from

- a. from Format >> Cells
- b. from Format >> Autoformat
- c. from Table >> Autoformat
- d. All of above

22. Text formulas:

- a. Replace cell references
- b. Return ASCII values of characters
- c. Concatenate and manipulate text
- d. Show formula error value

23. How do you insert a row?

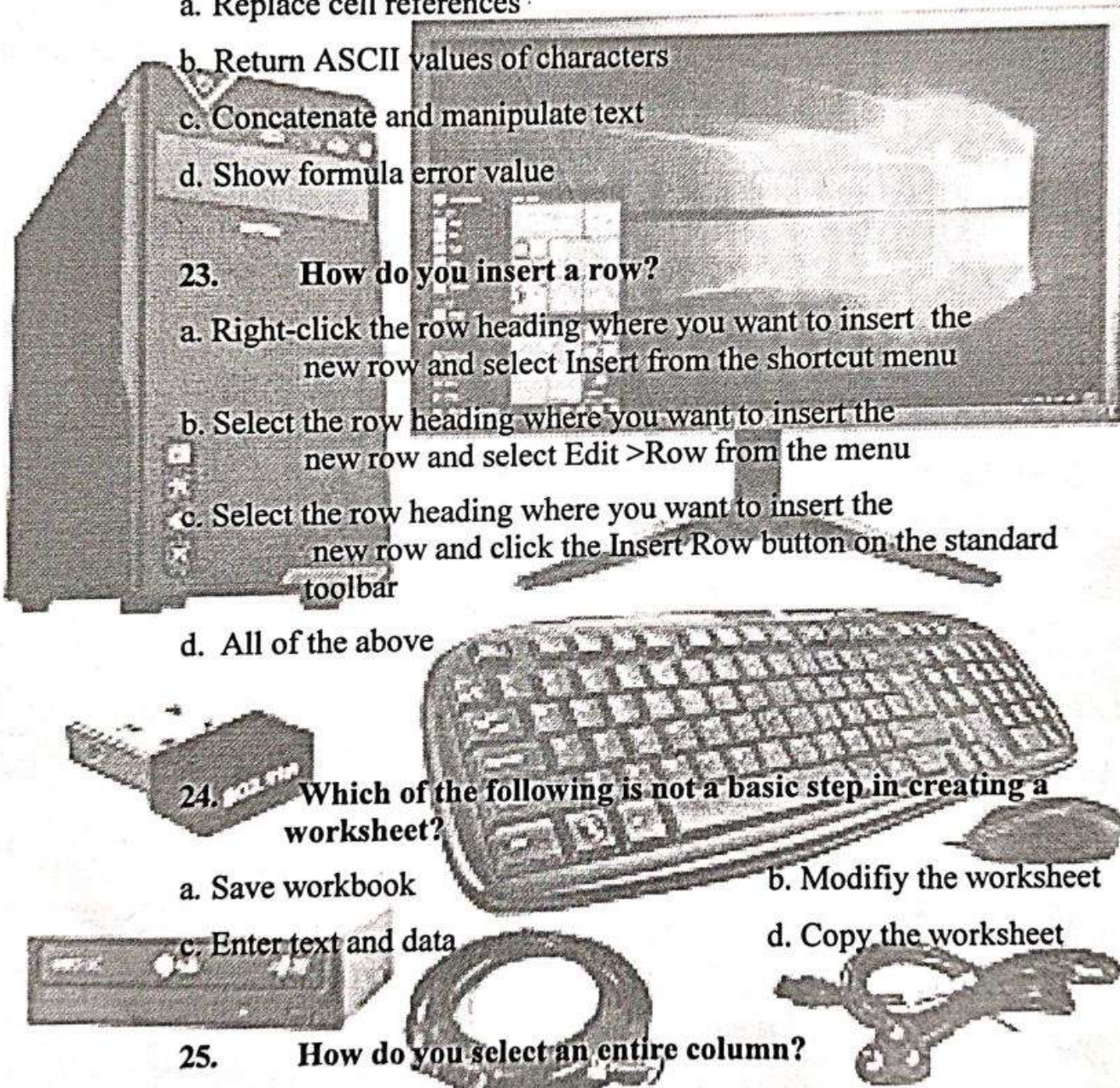
- a. Right-click the row heading where you want to insert the new row and select Insert from the shortcut menu
- b. Select the row heading where you want to insert the new row and select Edit > Row from the menu
- c. Select the row heading where you want to insert the new row and click the Insert Row button on the standard toolbar
- d. All of the above

24. Which of the following is not a basic step in creating a worksheet?

- a. Save workbook
- b. Modify the worksheet
- c. Enter text and data
- d. Copy the worksheet

25. How do you select an entire column?

- a. Select Edit > Select > Column from the menu
- b. Click the column heading letter
- c. Hold down the shift key as you click anywhere in the column.
- d. Hold down the Ctrl key as you click anywhere in the column



Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)

DEPARTMENT OF STATISTICS

(Excel for Beginners)

Examination (2021-22)

Date:

Sr.No.	Name of Students	Theory Test (50 Marks)	Practical Test(50 Marks)	Total	Grade
1)	Shruti patil	28	42	70	Grade O
2)	Shruti Kokate	36	40	76	Grade O
3)	Basit Kolhapure	30	46	76	Grade O
4)	Shifa Shahid Naik	36	40	76	Grade O
5)	Ruturaj	32	46	78	Grade O
6)	Harshad Patil	24	44	68	Grade A
7)	Karpe Rajkumar	36	42	78	Grade O
8)	Jhadhav Aniket	36	44	80	Grade O
9)	Patil Sharaddha	26	42	68	Grade A
10)	Shinde Sarika	38	38	76	Grade O
11)	Kumbhar Tejaswini	16	40	56	Grade B
12)	Sayali Powar	26	42	68	Grade A
13)	Shinde Manisha	20	44	64	Grade A
14)	Parit Vaishnavi	22	42	64	Grade A
15)	Jadhav Vaishnavi	28	42	70	Grade O
16)	Kanire Darshan	36	40	76	Grade O
17)	Gawade Shweta	22	40	62	Grade A
18)	Karne Dipali	24	42	66	Grade A
19)	Patil Om	38	38	76	Grade O
20)	jadhav pankaj	16	40	56	Grade B
21)	Powar Sayali	14	42	56	Grade B
22)	Jamdade Manasi	22	40	62	Grade A
23)	Bagwan Umarajiya	36	42	78	Grade O
24)	Jisna Mathew	32	40	72	Grade O
25)	Mugdar Akansha	30	40	70	Grade O
26)	Patil Rutuja	18	38	56	GradeB
27)	Jahdhav Shradha	34	40	74	Grade O
28)	Dhere Rutuja	26	42	68	Grade A
29)	Mane Supriya	24	42	66	Grade A
30)	Wardake Sakshi	34	40	74	Grade O

31)	Barwade Sammed	32	42	74	Grade O
32)	Kamble Vedant	22	40	62	Grade A
33)	More Pranav	30	38	68	Grade A
34)	Jawale Shivam	32	40	72	Grade O
35)	Jagadale Anav	40	46	86	Grade O
36)	Lohar Siddhesh	32	40	72	Grade O
37)	Killedar Yogiraj	36	38	74	Grade O
38)	Kumthekar Kedar	20	38	58	Grade B
39)	Jitakar Siddhesh	28	40	68	Grade A
40)	Khot Kishor	16	38	54	Grade B
41)	Khamkar Akash	30	38	68	Grade A
42)	Salase Sakshi	34	44	78	Grade O
43)	Kamble Mrunali	22	38	60	Grade A
44)	Desai Pratiksha	28	40	68	Grade A
45)	Kamble Rasika	22	36	58	Grade B
46)	Shidvankar Siraj	28	40	68	Grade A
47)	Shinde Sejal	34	40	74	Grade O
48)	Pwar Mrunali	32	32	64	Grade A
49)	Gurav Pooja	28	30	58	Grade B
50)	Gurav Santosh	32	28	60	Grade A
51)	Chavan Ashish	30	34	64	Grade A
52)	Koshti Shweta	22	36	58	Grade B
53)	Magdum Samrudhi	28	32	60	Grade A
54)	Mujawar Saniaya	34	32	66	Grade A
55)	Patil Kalayni	32	34	66	Grade A
56)	Patil Shreya	28	28	56	Grade B
57)	Patil Rohini	32	34	66	Grade A
58)	Patil Pranita	30	36	66	Grade A
59)	Pareek Sangeeta	28	32	60	Grade A
60)	Randiye Rutuja	34	32	66	Grade A
61)	Tonpe Sejal	32	34	66	Grade A
62)	Kamble Ashwini	28	32	60	Grade A
63)	Mudrale Shewta	32	30	62	Grade A
64)	Koli Lalita	30	30	60	Grade A
65)	Jadhav Aakansha	26	32	58	Grade B

* If Total Marks ≥ 70 , "Grade O"; If $70 < \text{Total Marks} < 60$, "Grade A";
If $60 < \text{Total Marks} < 50$, "Grade B"

A.B.B
Mr. Bhosale A.B.

Co-ordinator

V.Pawar
Prof. V.V.Pawar

Head of Department

Department of Statistics
Vivekanand College Kolhapur

" Education for Knowledge, Science & Culture"
- Shikshan Maharshi Dr. Bapuji Salunkhe



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)



NAAC Accredited 'A' Grade With CGPA 3.24, College With Potential For Excellence by UGC
(Affiliated to Shivaji University, Kolhapur)

DEPARTMENT OF STATISTICS

CERTIFICATE

This is to certify that, Mr./Miss _____

_____ Of Class _____ has successfully completed

the Add on Course Reg. No. 1234 Entitled "Excel For Beginners" carried out in the Department of Statistics, Vivekanand College,

Kolhapur (Autonomous) from / / 202 to / / 202 during the academic year 202 - . This certificate is

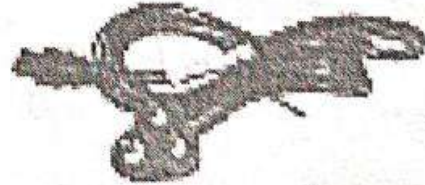
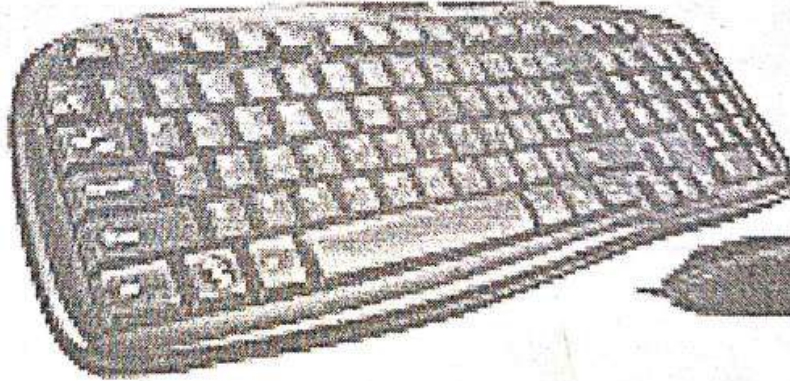
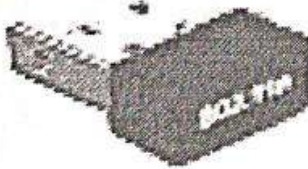
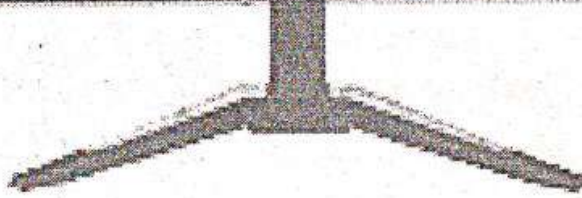
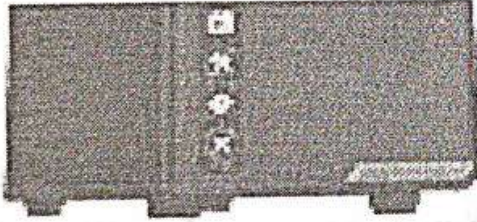
awarded to him/her after passing theory and practical examination with grade _____.

Mr. A. B. Bhosale
Co-ordinator

Mr. A. A. Pawar
Convener

Ms. V. V. Pawar
Head Department of Statistics

Dr. R. R. Kumbhar
Principal



Jr. College Recog. No. H.S.C./1074/R-1/Dt.:8-8-1976
Jr. College Code No. 23-09-002

"ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार"
- शिक्षणमहर्षी डॉ. बापुजी साळुंखे

Estd. : June 1964



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR [Autonomous]

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College With Potential For Excellence

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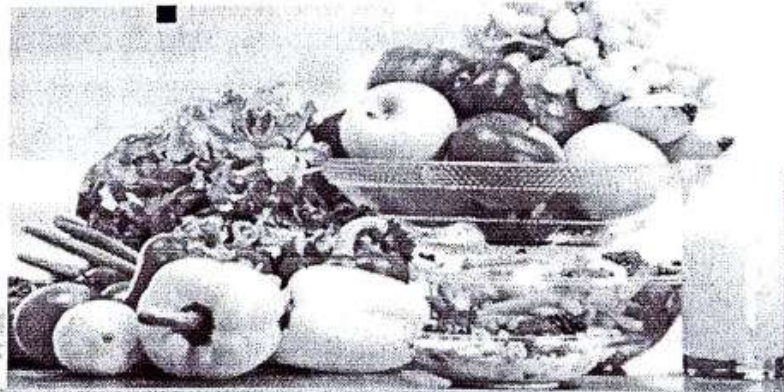


कोल्हापूर

DEPARTMENT OF ZOOLOGY Academic Year- 2021-2022

Add on Course: Nutrition and Dietetics

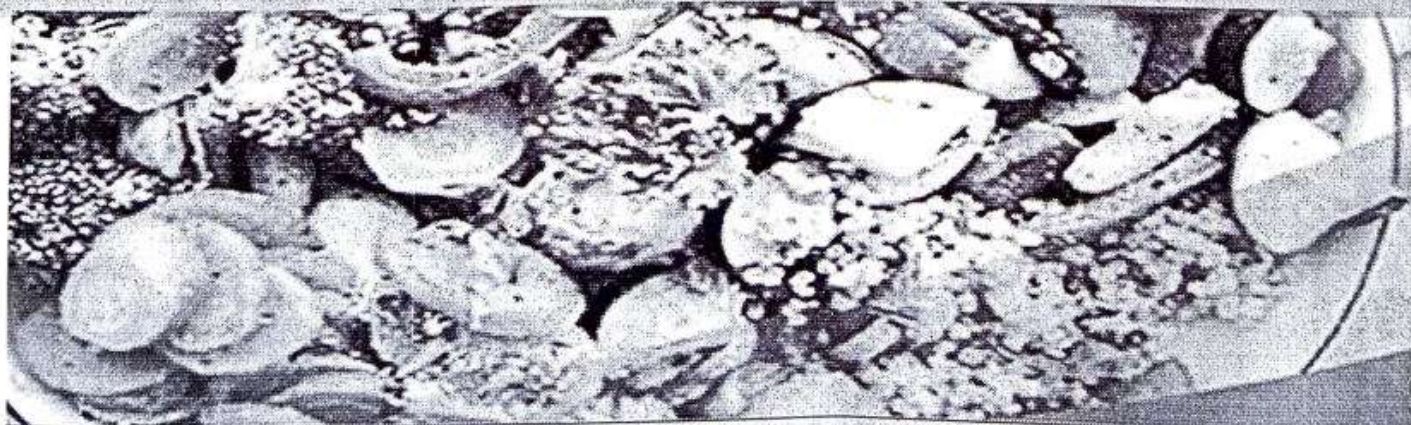
Eligibility: 12th pass Intake: 40 Duration: 30 Hrs



About Course: Diet is very important factor for health and healthy life

A dietician plans nutrition programs and food program for people

There are many different areas of practice for registered dietician



Dr. G. K. Sontakke
Course Co-ordinator
Department of Zoology

Dr. R. R. Kumbhar
Principal
Vivekanand College, Kolhapur

Add on course - Nutrition and Dietetics (Dietician)

Duration of course: 30 Hrs

Introduction to course:

A dietician plans nutrition programs and food program for people. Dieticians can help prevent diseases and obesity problems because they teach people about the role of food in their diet. A career in dietician will enable you to use strength and skills in orders to teach others about healthy eating and good nutrition.

Objectives of course:

- 1) To enable students the importance of therapeutic diet.
- 2) To enable students the knowledge about dietary control of different diseases.
- 3) To enable the students to: Know the importance of RDA and know the dietary modification for disease condition.
- 4) To enable students to understand the anatomy and physiology of human.
- 5) To enable students to understand Physiological changes at different stages of life
- 6) To enable students to understand the importance of hormonal and nervous regulation of the body function.

Outcomes of course:

There are many different areas of practice for registered dietitians. Dietitians are needed in any capacity that involves planning and educating others about the importance of incorporating a healthy diet into our everyday lives. Practice areas include the following:

- Administrative/Food Service Management
- Clinical
- Community
- Consulting
- Research
- Teaching
- Business/Entrepreneurial

Student's intake: 40

Sr. No	subject	Theory marks	Practical	Marks
1	Dietetics & Diet Counselling	80	20	100
2	Human physiology	80	20	100
3	Clinical & Community nutrition	80	20	100

Workload

Sr. No	subject	Theory/week	Practical/week
1	Dietetics & Diet Counselling	1	1
2	Human physiology	1	1
3	Clinical & Community nutrition	1	1

Total lecture: 38

SYLLABUS

UNIT I: DIETETICS AND DIET COUNSELLING

10

1. Introduction to therapeutic diets.
2. Routine Hospital diets: Regular diet, light diet, soft diet, full liquid diet, clear liquid diet and tube feedings
3. Therapeutic adaptation of normal diet.
4. Feeding infants and children: Problems in feeding in the Hospital.
5. Feeding the patient: Psychology of feeding the patient, assessment of patients need.
6. Nutrition and diet clinics. Patients check-up and counselling, education of the patient and follow-up.
7. Diet in fevers, typhoid fever, influences and tuberculosis, Rheumatic fever & Counselling.
8. Disease of Gastro Intestinal tract.
9. Diet in Cancer & Counselling.
10. Diet in Liver Diseases. & Counselling.
11. Diet in Cardiovascular diseases& Counselling.
12. Diet in kidney diseases& counselling.
13. Diseases of metabolic disorder.
14. Diseases of Nervous system & Counselling.
15. Diseases of Endocrine disorders. & Counselling.
16. Anaemia

Reference: -

1. Joshi S. A. 'Nutrition and Dietetics', New Delhi, Tata Mc Graw Hill Publishing Co. Ltd.
2. Robinson 'Nonnal and Therapeutic Nutrition' New Delhi, Tata Mc Graw Hill Publishing Co. Ltd.
3. Crampton E.W. and L. E. Lloyd (1915), 'Fundamentals of Nutrition', San Francisco W. H. Freeman
4. Davidson S.R, Passmore and IF. Brock (1986), 'Human Nutrition and Dietetics' London Churchill, Livingstone

1. Introduction to Nutrition Principles of Foods and Nutrition, Food groups, Diet and balanced diet, Meal planning, meal pattern, selection of adequate diet, BDA, RDA of different age groups, use of Food exchange list.
2. Nutritional requirements for infancy, pre-school, school going and adolescents and adult hood. Factors affecting nutritional status, Nutritional problems, packed lunch, and school lunch programmes, Food habits.
3. Nutritional requirements for expectant and nourishing mother, dietary modification, - dietary problems, complications of pregnancy and Indian nourishing mother.
4. Geriatric Nutrition: Nutritional requirement, physiological changes, Nutritional changes, Nutritional problems during old age.
5. Nutritional problems in India Anaemia, overweight, underweight, vito A- deficiency, PEM, goitre, thiamine deficiency.
6. Food selection purchase, storage, Food handling, sanitation and hygiene
7. Assessment of nutritional status by Population sampling, Anthropometry, Biophysical assessment, Radiographic examination, Nutritional adequacy of diet consumed, Clinical assessment, Biochemical assessment.
8. Diet survey methods Population sampling & duration of survey, diet survey methods, Questionnaire, Food list method, Interview method, Food inventory of log book method, Weightment of raw food, Weightment of cooked food, Analysis of cooked food method, Adult consumption units
9. Nutrition and Health Education Definition.
10. Role of National & International Agencies to overcome malnutrition
11. Food fads & fallacies.
12. Applied Nutritional Programmes ANP.MMP.SNPJCDS.FWPJPP.BNP.

References:

1. Swaminthan M. 'Essentials of Food and Nutrition', Bangalore, printing and Publishing Co. Ltd.
2. Srilakshmi B. 'Dietetics' New Delhi, Newage International publishing Co. Ltd.
3. Joshi S. 'Nutriton and Dietetics' New Delhi, Tata McGraw Hill Publishing Co. Ltd.
4. Crampton E.W. and L.E.Lloyd, (1915), 'Fundanentals of Nutrition' W.H.Freeman. San Francisco.

5. Davidson S.R, Passmore and J.F. Brock, (1986), 'Human Nutrition and Dietetics' London 8th edition, Churchill, Livingstone.
6. Antia F.P, (1986), 'Clinical Dietetics and Nutrition' 3rd edition, Bombay Oxford University Press.
7. Devadas R.P. (1972) 'Nutrition in Tamil Nadu Sangam' Publishers.
8. Meyer J, Human (1972) 'Nutrition Charles Thomas'
9. King M. and Morley O, (1976), 'Nutrition for Developing Countries, Oxford University Press.
10. Lowenberg E.M. Todhunter N.E. Wilson Eva D Savage and Jane R. (1970), 'Food and Man Wiley' Eastern Pvt. Ltd.
11. Wesna D. (1981). 'Where There is No Doctor', The Voluntary Health Association of India.
12. Rajalakshmi R. (1981), 'Applied Nutrition Oxford & IDH Publishers' .
13. ICMR, 'Technical Report Series'.
14. Applied Nutritional

PRACTICALS

10

1. Weights and measures
2. Preparation of therapeutic diets -liquid diet, full fluid, solid and semisolid diet.
3. Diet in fever and diet in gastro intestinal diseases
4. Diet in liver diseases and diet in cardiovascular diseases
5. Diet in kidney diseases and diet in cancer.
6. Diet in disease of metabolic disorder such as arthritis, diabetes and gout.
7. Diet in Aids.
8. Quantity cookery
9. Anthropometric measurements and clinical assessment of subjects
10. Growth monitoring and nutrition Education
11. Planning, preparation and Demonstration of Low cost nutrient rich recipes

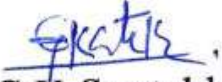
Antar
Head,
Department of Zoology
Vivekanand College,
Kolhapur (Autonomous)

Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)
Department of Zoology
(Academic Year 2021-22)

Date: 29/12/2021

Notice

All the students of this college are hereby informed that, Add on course on "**Nutrition and Dietetics (Dietician)**" is going to start from 03rd January, 2022 onwards through offline mode. The fee for above said course is Rs. 500/-. All interested students have to pay course fees to Shri. Mohite A. S. (Room No.49) in the before 01.01.2022.


[Dr.G.K.Sontakke]
Head,
Department of Zoology
Vivekanand College,
Kolhapur (Autonomous)

**Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College Kolhapur (Autonomous)
Department of Zoology
Academic year- 2021-22
Add On Course "Nutrition & Dietetics"**

List of the Student

Sr. No	NAME OF THE STUDENT	CLASS	MOBILE NO.	A
1	FAKIR JUVERIYA DASTGIR	III	9420478600	
2	CHOTHE SAKSHI NANDAKUMAR	I	9370334041	
3	SUTAR RUTUJA ANANDA	I	9370138328	
4	CHOUGULE SAHIL FIROJ	II	9850057212	
5	KOLI SAKSHI SUSHANT	I	8080496867	
6	POWAR SHRUTIKA SAMBHAJI	II	9309141915	
7	ALMAN ADESH AJIT	II	9356562870	
8	JADHAV ANURAG BHARAT	II	9021298844	
9	GHARAGE ASHUTOSH KIRAN	II	7887486846	
10	PATIL DIVYA UMESHCHANDRA	II	8483042594	
11	PATIL SAKSHI JAYKUMAR	II	9075660439	
12	SINGH SHWETA RAVIRANJAN	II	7972859353	
13	DEMANNA SHREYASHREE SHANTINATH	I	9604496564	
14	SARVAGODE MAHIMA VIKAS	I	9975986998	
15	YADAV SHRUTIKA BHARAT	I	7722057550	
16	PATKARE ASMITA ANANDA	II	7058038058	
17	DARVAN MADHURI KUMAR	II	9156289360	
18	CHOUGALE SIDDHI YASHAVANT	II	9075078114	
19	DHISAL RENU BHARAT	II	9370427878	
20	KHOT ANKITA ASHOK	II	7887634314	
21	PISE MRINAL UMESH	II	8485065537	
22	MUJAWAR RAFA ALTAF	II	9579697647	
23	SHINDE ABHAY TATOBA	I	9552332812	
24	LOLE SHRIYA PRAKASH	I	7666765422	

25	VATHARE SOUNDARYA SANJAY	II	7972809898
26	MORE SUPRIYA SANJAY	II	9022004294
27	PATIL RUTUJA BABURAO	II	9356164123
28	NAIK DARSHAN SHIVAJI	II	8530409872
29	GILBILE SWARUPA UTTAM	II	8530693292
30	WAKRUSHE OMKAR VITTHAL	II	7775041506
31	PATIL SACHIN UTTAM	II	9604047177
32	JADHAV MILISHA SURENDRA	I	7273857474
33	DEVANE VAISHNAVI RAJESH	I	9175405700
34	METKAR ANIKET ANANDA	II	9146328962
35	DABHOLKAR PRAVARTHA ABHIJIT	I	9373626432
36	KAMBLE SANJIVANI NILKHANTH	II	8767927831
37	PATIL PARTH DEEPAK	II	8329573613
38	ADSUL VAISHNAVI KRUSHNAT	II	9767042442
39	KALKUTAKI VISHAL BABASAHEB	III	7262920946
40	PATIL SANIKA SURYAKANT	II	9322456378
41	SONAVANE ADITYA ANIL	II	8087005066
42	YADAV ABHILASHA AVINASH	III	8379915838
43	SHAIKH HUZEFA AJIJAHMAD	II	9373653646
44	PUJARI SUPRIYA RAMA	II	9067118633
45	DAVARE SARITA BALU	II	8698871260
46	GURAV VAISHNAVI RAJESH	II	7887579508
47	KOLHATKAR ATHARVA SUBODHKUMAR	II	8177924707
48	PATIL PRIYA PRAKASH	II	9834997785
49	RATHOD YUKTA NARSINH	II	8625036014
50	GIJE NANDINI RAVINDRA	II	8579653438
51	KOLI ROHIT SANJAY	II	7620695488
52	RAJPUT SHWETA NITINSING	II	9373653646

Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College Kolhapur (Autonomous)
Department of Zoology
Academic year- 2021-22
Add On Course "Nutrition and Dietetics"

ATTENDANCE

Sr. No	NAME OF THE STUDENT	16-1-22	18-1-22	20-1-22	21-1-22	22-1-22	25-1-22	29-1-22	1-2-22	4-2-22	5-2-22	7-2-22	8/2/2022	9/2/2022	11-2-22	12/2/2022
1	FAKIR JUVERIYA DASTGIR	P	P	P	P	P	P	P	P	P	P	P	A	P	P	
2	CHOTHE SAKSHI NANDAKUMAR	P	A	P	P	A	P	P	P	P	P	P	P	P	P	
3	SUTAR RUTUJA ANANDA	P	P	A	P	A	P	A	P	P	P	P	A	P	A	
4	CHOUGULE SAHIL FIROJ	P	P	P	A	P	P	P	P	P	P	A	P	A	P	
5	KOLI SAKSHI SUSHANT	A	A	P	P	P	A	P	P	A	A	P	P	A	P	
6	POWAR SHRUTIKA SAMBHAJI	P	P	P	P	P	P	A	P	P	A	P	P	P	A	
7	ALMAN ADESH AJIT	P	P	A	P	P	P	P	P	P	A	P	P	A	P	
8	JADHAV ANURAG BHARAT	P	P	P	A	P	P	A	P	P	P	A	P	P	P	
9	GHARAGE ASHUTOSH KIRAN	P	P	P	P	A	P	P	A	P	P	P	A	P	P	
10	PATIL DIVYA UMESHCHANDRA	P	P	A	P	P	A	P	P	P	P	P	P	P	A	
11	PATIL SAKSHI JAYKUMAR	P	P	P	P	P	P	P	A	P	P	A	P	P	A	
12	SINGH SHWETA RAVIRANJAN	A	P	P	P	P	P	P	P	A	P	P	A	A	P	
13	DEMANNA SHREYASHREE SHANTINATH	A	P	A	A	A	P	P	P	P	P	A	P	A	P	
14	SARVAGODE MAHIMA VIKAS	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A
15	YADAV SHRUTIKA BHARAT	P	A	P	P	P	P	P	A	P	P	P	P	P	P	
16	PATKARE ASMITA ANANDA	P	P	A	P	P	A	P	P	A	P	P	P	A	P	
17	DARVAN MADHURI KUMAR	A	P	P	P	A	P	P	A	P	P	P	A	P	P	
18	CHOUGALE SIDDHI YASHAVANT	P	P	P	P	A	P	P	P	P	P	A	P	A	P	
19	DHISAL RENU BHARAT	P	P	A	A	A	P	A	P	P	P	P	P	A	P	
20	KHOT ANKITA ASHOK	P	P	P	P	P	P	P	A	P	P	P	P	P	P	
21	PISE MRINAL UMESH	P	P	P	P	P	P	P	A	P	P	P	P	P	P	
22	MUJAWAR RAFA ALTAF	P	P	P	P	P	P	A	P	A	A	A	P	A	P	
23	SHINDE ABHAY TATOBA	P	P	P	P	P	P	P	P	P	A	P	A	P	A	
24	LOLE SHRIYA PRAKASH	P	P	P	A	A	A	P	P	P	P	A	P	P	P	
25	VATHARE SOUNDARYA SANJAY	P	P	P	P	A	P	P	P	A	P	P	P	P	P	

26	MORE SUPRIYA SANJAY	P	A	P	P	A	P	P	P	P	P	A	P	P	P
27	PATIL RUTUJA BABURAO	P	P	P	P	A	A	P	P	P	A	P	A	P	P
28	NAIK DARSHAN SHIVAJI	P	P	P	P	P	P	P	A	P	P	P	A	P	P
29	GILBILE SWARUPA UTTAM	P	P	P	P	P	P	P	P	P	P	P	P	P	A
30	WAKRUSHE OMKAR VITTHAL	P	P	P	P	P	A	P	P	A	P	A	P	P	P
31	PATIL SACHIN UTTAM	P	A	A	P	P	P	A	P	P	P	A	P	P	P
32	JADHAV MILISHA SURENDRA	P	P	P	A	P	P	P	P	P	P	P	P	P	P
33	DEVANE VAISHNAVI RAJESH	P	P	P	P	P	P	P	P	P	A	P	A	P	P
34	METKAR ANIKET ANANDA	P	A	P	P	P	P	P	A	A	A	P	P	P	P
35	DABHOLKAR PRAVARTABHILJIT	P	P	A	P	P	A	P	P	A	A	A	P	P	P
36	KAMBLE SANJIVANI NILKANTH	P	P	P	P	P	P	P	P	P	P	P	A	P	P
37	PATIL PARTH DEEPAK	P	P	P	P	A	P	A	A	P	P	P	A	P	P
38	ADSUL VAISHNAVI KRUSHNAT	P	P	A	P	P	A	P	P	P	P	P	P	P	P
39	KALKUTAKI VISHAL BABASAHEB	P	P	P	A	P	P	P	P	P	P	P	A	P	P
40	PATIL SANIKA SURYAKANT	P	P	P	P	P	P	P	P	P	P	A	P	P	A
41	SONAVANE ADITYA ANIL	P	A	P	P	P	A	P	P	P	P	P	P	P	A
42	YADAV ABHILASHA AVINASH	A	P	P	P	P	P	P	P	A	P	P	P	A	P
43	SHAIKH HUZefa AJIJAHMAD	A	P	P	P	P	P	A	P	P	A	P	P	P	A
44	PUJARI SUPRIYA RAMA	P	P	A	A	A	P	P	A	A	P	P	P	A	P
45	DAVARE SARITA BALU	P	A	P	P	P	P	P	P	P	P	A	P	P	A
46	GURAV VAISHNAVI RAJESH	P	P	P	P	P	P	P	A	P	P	P	P	P	A
47	KOLHATKAR ATHARVA SUBODHKUMAR	P	A	A	P	P	P	A	P	A	A	P	P	A	P
48	PATIL PRIYA PRAKASH	P	A	P	P	A	P	P	P	P	A	A	P	A	P
49	RATHOD YUKTA NARSINH	P	P	P	A	P	P	A	P	P	A	P	P	P	P
50	GIJE NANDINI RAVINDRA	P	P	P	P	P	A	P	P	A	P	P	P	A	P
51	KOLI ROHIT SANJAY	P	A	P	P	P	P	A	P	P	P	P	P	P	A
52	RAJPUT SHWETA NITINSING	P	A	P	P	A	P	P	P	P	P	P	P	P	P


 Head,
 Department of Zoology
 Vivekanand College,
 Kolhapur (Autonomous)

Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College Kolhapur (Autonomous)
Department of Zoology
Academic year- 2021-22
Add On Course "Nutrition and Dietetics"

ATTENDANCE

Sr. No	NAME OF THE STUDENT	15-2-22	16-2-22	18-2-22	21-2-22	22/2/22	23/2/2022	24/2/2022	26/2/22	28/2/22	1/3-22	2/3/2022	9/3/22	9/3/22	5/3/2022	7/3/2022
1	FAKIR JUVERIYA DASTGIR	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
2	CHOTHE SAKSHI NANDAKUMAR	P	P	A	P	P	P	A	P	P	P	A	A	P	P	P
3	SUTAR RUTUJA ANANDA	P	A	P	P	P	A	P	P	P	A	P	P	P	P	A
4	CHOUGULE SAHIL FIROJ	A	P	P	P	A	P	P	P	A	A	P	P	P	P	P
5	KOLI SAKSHI SUSHANT	P	P	P	P	P	P	P	A	P	A	P	P	P	A	P
6	POWAR SHRUTIKA SAMBHAJI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	ALMAN ADESH AJIT	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
8	JADHAV ANURAG BHARAT	P	A	P	P	P	P	P	P	A	P	P	P	A	P	P
9	GHARAGE ASHUTOSH KIRAN	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P
10	PATIL DIVYA UMESHCHANDRA	P	P	P	A	P	A	P	P	P	P	A	P	P	P	P
11	PATIL SAKSHI JAYKUMAR	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
12	SINGH SHWETA RAVIRANJAN	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P
13	DEMANNA SHREYASHREE SHANTINATH	A	P	P	P	P	P	P	P	A	P	A	P	P	P	P
14	SARVAGODE MAHIMA VIKAS	P	A	P	P	P	A	P	P	P	A	P	P	P	P	P
15	YADAV SHRUTIKA BHARAT	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P
16	PATKARE ASMITA ANANDA	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
17	DARVAN MADHURI KUMAR	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
18	CHOUGALE SIDDHI YASHAVANT	P	P	P	P	A	P	P	P	A	P	P	P	A	P	P
19	DHISAL RENU BHARAT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	KHOT ANKITA ASHOK	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P
21	PISE MRINAL UMESH	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
22	MUJAWAR RAFA ALTAF	P	P	P	A	P	P	P	P	P	P	A	P	A	P	P
23	SHINDE ABHAY TATOBA	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P
24	LOLE SHRIYA PRAKASH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
25	VATHARE SOUNDARYA SANJAY	P	P	A	A	P	P	P	A	P	A	P	P	P	P	P

26	MORE SUPRIYA SANJAY	A	P	P	P	P	A	P	P	P	P	P	A	P	P	P
27	PATIL RUTUJA BABURAO	P	P	P	A	P	P	A	P	P	P	P	P	P	P	A
28	NAIK DARSHAN SHIVAJI	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
29	GILBILE SWARUPA UTTAM	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
30	WAKRUSHE OMKAR VITTHAL	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
31	PATIL SACHIN UTTAM	P	P	A	P	P	P	A	P	P	P	P	P	P	A	P
32	JADHAV MILISHA SURENDRA	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
33	DEVANE VAISHNAVI RAJESH	A	A	P	P	P	P	P	P	A	P	P	P	P	P	P
34	METKAR ANIKET ANANDA	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
35	DABHOLKAR PRAVARTA ABHIJIT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	KAMBLE SANJIVANI NILKHANDI	P	P	A	P	P	A	P	P	P	P	P	P	A	P	P
37	PATIL PARTH DEEPAK	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P
38	ADSUL VAISHNAVI KRUSHNAT	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P
39	KALKUTAKI VISHAL BABASAHEB	P	P	P	A	P	P	P	P	P	A	P	A	P	P	P
40	PATIL SANIKA SURYAKANT	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P
41	SONAVANE ADITYA ANIL	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P
42	YADAV ABHILASHA AVINASH	P	P	P	P	P	A	P	P	A	P	P	P	A	P	P
43	SHAIKH HUZEFA AJIJAHMAD	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
44	PUJARI SUPRIYA RAMA	P	P	A	A	P	A	P	P	P	P	A	P	P	P	P
45	DAVARE SARITA BALU	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P
46	GURAV VAISHNAVI RAJESH	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
47	KOLHATKAR ATHARVA SUBODHKUMAR	A	P	P	P	P	A	P	P	A	P	A	P	P	P	P
48	PATIL PRIYA PRAKASH	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P
49	RATHOD YUKTA NARSINHI	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
50	GIJE NANDINI RAVINDRA	P	P	P	P	P	P	P	P	P	P	P	P	A	P	A
51	KOLI ROHIT SANJAY	A	P	A	P	P	P	A	P	P	A	P	P	P	P	P
52	RAJPUT SHWETA NITINSING	P	P	P	P	A	P	P	P	A	A	A	P	P	P	P


 Head,
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26	MORE SUPRIYA SANJAY	P	P	P	A	P	P	A	P	P	A	P	P	P	P	P
27	PATIL RUTUJA BABURAO	P	P	P	P	P	A	P	A	P	A	A	A	P	A	P
28	NAIK DARSHAN SHIVAJI	P	A	P	P	A	A	P	A	P	P	A	P	A	P	P
29	GILBILE SWARUPA UTTAM	P	P	A	P	P	P	P	A	P	P	P	A	A	P	P
30	WAKRUSHE OMKAR VITTHAL	P	A	P	A	P	P	P	P	P	P	P	P	P	A	A
31	PATIL SACHIN UTTAM	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P
32	JADHAV MILISHA SURENDRA	P	P	A	P	A	A	A	P	P	P	P	P	P	P	P
33	DEVANE VAISHNAVI RAJESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	METKAR ANIKET ANANDA	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
35	DABHOLKAR PRAVARTHA ABHIJIT	P	P	A	P	P	A	P	P	P	A	P	P	A	P	P
36	KAMBLE SANJIVANI NILKHANDH	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
37	PATIL PARTH DEEPAK	P	A	A	P	P	P	P	P	P	P	P	P	A	P	P
38	ADSUL VAISHNAVI KRUSHNAT	P	P	P	A	P	P	A	A	P	P	P	P	P	A	P
39	KALKUTAKI VISHAL BABASAHEB	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P
40	PATIL SANIKA SURYAKANT	P	P	P	A	P	P	A	P	P	A	P	P	P	P	P
41	SONAVANE ADITYA ANIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
42	YADAV ABHILASHA AVINASH	P	A	P	A	P	P	P	A	P	P	P	P	P	P	P
43	SHAIKH HUZefa AJJAHMAD	P	P	P	A	P	P	A	P	P	A	P	P	P	P	P
44	PUJARI SUPRIYA RAMA	A	P	P	A	P	A	A	P	P	P	P	P	P	P	A
45	DAVARE SARITA BALU	A	P	P	P	A	P	P	P	P	P	P	A	A	P	P
46	GURAV VAISHNAVI RAJESH	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P
47	KOLHATKAR ATHARVA SUBODHKUMAR	P	A	A	A	A	P	P	P	A	P	A	P	P	P	P
48	PATIL PRIYA PRAKASH	P	A	A	A	P	P	A	P	A	P	P	P	P	P	A
49	RATHOD YUKTA NARSINH	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A
50	GIJE NANDINI RAVINDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
51	KOLI ROHIT SANJAY	P	A	P	A	P	P	P	A	P	P	P	P	A	P	P
52	RAJPUT SHWETA NITINSING	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P


 Head,
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Shri Swami Vivekanand Shikshan Sansthas
Vivekanand College, Kolhapur (Autonomous)
Academic year 2021-2022
Department of Zoology
Exam (Add on course)

Date: 21 /03/2022

NOTICE

This is to inform that the exam of add on course "Nutrition and Dietics" is scheduled on Sunday 27 March 2022 on online platform (google form). This exam will be conducted for 50 marks, which contains 25 multiple choice questions. Each question carries 2 marks. Timing of exam will be 10.00am to 11.00 am After 11.00am link will get automatically closed. There is no provision for repeat examination



Dr. G. K. Sontakke
Head,
Department of Zoology
Vivekanand College,
Kolhapur (Autonomous)

**Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College Kolhapur (Autonomous)
Department of Zoology
Academic Year- 2021-2022
Add On Course "Nutrition & Dietetics"**

RESULT

Sr. No	ROLL NO.	NAME OF THE STUDENT	CLASS	THEOR Y (50)	PRACTICAL (50)	TOTAL (100)	GRADE
1	ND 1	FAKIR JUVERIYA DASTGIR	III	30	40	70	B⁺
2	ND 2	CHOTHE SAKSHI NANDAKUMAR	I	28	40	68	B⁺
3	ND 3	SUTAR RUTUJA ANANDA	I	28	40	68	B⁺
4	ND 4	CHOUGULE SAHIL FIROJ	II	40	35	75	A
5	ND 5	KOLI SAKSHI SUSHANT	I	32	32	64	B⁺
6	ND 6	POWAR SHRUTIKA SAMBHAJI	II	22	40	62	B⁺
7	ND 7	ALMAN ADESH AJIT	II	36	35	71	A
8	ND 8	JADHAV ANURAG BHARAT	II	38	40	78	A
9	ND 9	GHARAGE ASHUTOSH KIRAN	II	36	35	71	A
10	ND 10	PATIL DIVYA UMESHCHANDRA	II	38	44	82	A⁺
11	ND 11	PATIL SAKSHI JAYKUMAR	II	26	40	66	B⁺
12	ND 12	SINGH SHWETA RAVIRANJAN	II	40	44	84	A⁺
13	ND 13	DEMANNA SHREYASHREE SHANTINATH	I	30	45	75	A
14	ND 14	SARVAGODE MAHIMA VIKAS	I	30	40	70	B⁺
15	ND 15	YADAV SHRUTIKA BHARAT	I	30	43	73	A
16	ND 16	PATKARE ASMITA ANANDA	II	38	40	78	A
17	ND 17	DARVAN MADHURI KUMAR	II	34	40	74	A
18	ND 18	CHOUGALE SIDDHI YASHAVANT	II	32	44	76	A

19	ND 19	DHISAL RENU BHARAT	II	34	44	78	A
20	ND 20	KHOT ANKITA ASHOK	II	40	45	85	A ⁺
21	ND 21	PISE MRINAL UMESH	II	40	40	80	A
22	ND 22	MUJAWAR RAFA ALTAF	II	38	44	82	A ⁺
23	ND 23	SHINDE ABHAY TATOBA	I	32	30	62	B ⁺
24	ND 24	LOLE SHRIYA PRAKASH	I	30	30	60	B
25	ND 25	VATHARE SOUNDARYA SANJAY	II	38	45	83	A ⁺
26	ND 26	MORE SUPRIYA SANJAY	II	36	40	76	A
27	ND 27	PATIL RUTUJA BABURAO	II	32	45	77	A
28	ND 28	NAIK DARSHAN SHIVAJI	II	36	35	71	A
29	ND 29	GILBILE SWARUPA UTTAM	II	36	33	69	B ⁺
30	ND 30	WAKRUSHE OMKAR VITTHAL	II	38	42	80	A
31	ND 31	PATIL SACHIN UTTAM	II	34	39	73	A
32	ND 32	JADHAV MILISHA SURENDRA	I	32	40	72	A
33	ND 33	DEVANE VAISHNAVI RAJESH	I	34	40	74	A
34	ND 34	METKAR ANIKET ANANDA	II	40	40	80	A
35	ND 35	DABHOLKAR PRAVARTA ABHIJIT	I	40	42	82	A ⁺
36	ND 36	KAMBLE SANJIVANI NILKHANTH	II	34	44	78	A
37	ND 37	PATIL PARTH DEEPAK	II	30	35	65	B ⁺
38	ND 38	ADSUL VAISHNAVI KRUSHNAT	II	38	44	82	A ⁺
39	ND 39	KALKUTAKI VISHAL BABASAHEB	III	36	40	76	A
40	ND 40	PATIL SANIKA SURYAKANT	II	26	40	66	B ⁺
41	ND 41	SONAVANE ADITYA ANIL	II	40	40	80	A
42	ND 42	YADAV ABHILASHA AVINASH	III	36	42	78	A

43	ND 43	SHAIKH HUZEF AJIJ	II	32	35	67	B ⁺
44	ND 44	PUJARI SUPRIYA RAMA	II	32	32	64	B ⁺
45	ND 45	DAVARE SARITA BALU	II	32	35	67	B ⁺
46	ND 46	GURAV VAISHNAVI RAJESH	II	40	29	69	B ⁺
47	ND 47	KOLHATKAR ATHARVA SUBODHKUMAR	II	26	34	60	B
48	ND 48	PATIL PRIYA PRAKASH	II	38	32	70	B ⁺
49	ND 49	RATHOD YUKTA NARSINH	II	34	35	69	B ⁺
50	ND 50	GIJE NANDINI RAVINDRA	II	40	40	80	A
51	ND 51	KOLI ROHIT SANJAY	II	28	32	60	B
52	ND 52	RAJPUT SHWETA NITINSING	II	32	35	67	B ⁺


 Dr. G. K. Sontakke
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 Vivekanand College,
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" Education for Knowledge, Science & Culture "
-Shikshanmaharshi Dr. Bapuji Salunkhe



Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE , KOLHAPUR (AUTONOMOUS)

Affiliated to Shivaji University, Kolhapur


DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that Mr./Ms. Patil Sanika Suryakant.....
of B.Sc. I /II /III / has successfully completed the Add on Course
" Nutrition and Dietetics " carried out by Department of Zoology, Vivekanand
College, Kolhapur (Autonomous) during academic year 2021-2022. This certificate is
awarded to him / her after passing theory and practical examination.


Dr.G.K. Sontakke

Co-ordinator
Head,


Dr. R. R. Kumbhar

Principal
PRINCIPAL

Department of Zoology

Vivekanand College
Kolhapur

विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त)
सूचना

No.NB/ 1188/2021-22

दिनांक : ०३.०३.२०२२

ज्युनिअर व सिनिअर महाविद्यालयातील सर्व विद्यार्थी, विद्यार्थिनींना कळविण्यात येते की, आपल्या महाविद्यालयातर्फे सी.ओ.सी. अंतर्गत खालील कोर्सेस सुरु करण्यात येत आहे. तरी इच्छुक विद्यार्थ्यांनी खालील प्राध्यापकांशी संपर्क साधावा. सदरचा कोर्स दि. १५ मार्च २०२२ पासून सुरु होत आहे.

अ.क्र.	कोर्सचे नांव	कालावधी	फी रुपये	संपर्क
१	पाश्चात्य व लोकनृत्य प्रमाणपत्र कोर्स	३ महिने	६००/-	१) प्रा डाॅ ए एस महात मोबा. ९८६०८५७०८९
२	संगीत : गायन व वादन (Music : Vocal & Instrumental)	३ महिने	६००/-	२) प्रा. एस. एस. कदम मोबा. ९०४९९५४२१०

Pur
(डॉ. आर. आर. कुंभार)

प्राचार्य
विवेकानंद कॉलेज
कोल्हापूर

Vivekanand College, Kolhapur (Autonomous)

COC- Western & Folk Dance

Sr. No.	Boys	Girls	Total
1.	02	17	19

Dr. Arif Mahat

Coordinator

Vivekanand College, Kolhapur (Autonomous)

COC- Western & Folk Dance

Sr.no.	Name of the Students
1	Bijvani Rishikesh Sunil
2	Bhosale Nisha S
3	Burud Sakshi Shamrao
4	Chavan Aishwarya Sanjay
5	Chougale Anuja Anil
6	Desai Ojaswita Ranjit
7	Gudle Pallavi Bhujgonda
8	Jadhav Sandesh Raji
9	Kolekar Arya R
10	Mane Siddhi Bipinkumar
11	Padaval Kishori Narayan
12	Patil Pooja Sampat
13	Popale Pooja Dnyandev
14	Potdar Aarya Bhagvat
15	Potdar Sanika Raju
16	Shirolkar Dipti Bajirao
17	Shinde Neha Rajesh
18	Thakare Vaishnavi Navnath
19	Vadar Snehal Raju

Dr. Arif Mahat

Co-ordinator

विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त)
सूचना

No.NB/ 1188/2021-22

दिनांक : ०३.०३.२०२२

ज्युनिअर व सिनिअर महाविद्यालयातील सर्व विद्यार्थी, विद्यार्थिनींना कळविण्यात येते की, आपल्या महाविद्यालयातर्फे सी.ओ.सी. अंतर्गत खालील कोर्सेस सुरु करण्यात येत आहे. तरी इच्छुक विद्यार्थ्यांनी खालील प्राध्यापकांशी संपर्क साधावा. सदरचा कोर्स दि. १५ मार्च २०२२ पासून सुरु होत आहे.

अ.क्र.	कोर्सचे नांव	कालावधी	फी रुपये	संपर्क
१	पाश्चात्य व लोकनृत्य प्रमाणपत्र कोर्स	३ महिने	६००/-	१) प्रा डॉ ए एस महात मोबा. ९८६०८५७०८९
२	संगीत : गायन व वादन (Music : Vocal & Instrumental)	३ महिने	६००/-	२) प्रा. एस. एस. कदम मोबा. ९०४९९५४२१०

Pur
(डॉ. आर. आर. कुंभार)

प्राचार्य
विवेकानंद कॉलेज
कोल्हापूर

Vivekanand College, Kolhapur (Autonomous)

COC- Vocal & Instrument

Sr.No.	Boys	Girls	Total
1.	11	05	16

Dr. Arif Mahat

Coordinator

Vivekanand College, Kolhapur (Autonomous)

COC- Vocal & Instrument

Sr.no.	Name of the Students
1	Bhise Ganesh Dipak
2	Bhosale Sharayu P
3	Chendage Sandyarani Santosh
4	Dhavale Pratik Vijay
5	Dongare Rushi C
6	Dubey Sakshi Rajkumar
7	Ganap Pradip Bhimrao
8	Gaikwad Dipak S
9	Hande Pallavi R
10	Hasabe Saad Sanjay
11	Jadhav Shankar Gajanan
12	Kadam Prasad Chandrashekhar
13	Kharade Kedar Sanjay
14	Padaval Dhamini Mohan
15	Pawar Uday Ramchandra
16	Zunake Suyash Dhyneshwar





Dr. Arif Mahat

Co-ordinator



Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)
Department of Computer Science &
Department of Mathematics

CRASH COURSE ON PYTHON

-  Beginner Course
-  50 hours
-  Blended learning with **moodle**
-  Highly Qualified and Skilled Staff







 python

 NumPy

 pandas



KEY HIGHLIGHTS

-  THIS COURSE IS DESIGNED TO INTRODUCE THE BASIC CONCEPTS OF PYTHON USING THE MOST COMMON STRUCTURES.
-  NO PREVIOUS EXPOSURE TO PROGRAMMING IS NEEDED.
-  BY THE END OF THIS COURSE STUDENT WILL BE ABLE TO WRITE SIMPLE PROGRAMS USING PYTHON.
-  FIGURE OUT HOW THE BUILDING BLOCKS OF PROGRAMMING FIT TOGETHER AND COMBINE ALL OF THIS KNOWLEDGE TO SOLVE A COMPLEX PROGRAMMING PROBLEM.
-  WE'LL START OFF BY DIVING INTO THE BASICS OF WRITING A COMPUTER PROGRAM.
-  ALONG THE WAY, STUDENT WILL GET HANDS-ON EXPERIENCE WITH PROGRAMMING CONCEPTS THROUGH INTERACTIVE EXERCISES AND REAL-WORLD EXAMPLES.

FOR MORE INFORMATION CONTACT

Prof. S. P. Patankar (Co-ordinator)

Dr. V. B. Waghmare (Co-ordinator)+91-9860625005

Dr. R. Y. Patil +91-9823122121

Dr. I. K. Mujawar +91-9890833573

Department of Computer Science & Mathematics
Vivekanand College, Kolhapur (Autonomous)
E-Ward, Tarabai Park, Kolhapur - 416003 (MS)



Stylo

* PYTHONI *

कोर्स हजेरी पत्रक

सन - २०२२ (मार्च. मे. २६)

of cities

The future will either be green.

A  Product

A4 College Book

Roll NO	Students Name	08/11/20	14/5/22	19/5/22	20/5/22	21/5/22	26/5/22	27/5/22	28/5/22
7887	Sumit Dipak Pasit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit
7887	Rahim Nurmahamad Nagari	Rahim	Rahim	Rahim	Rahim	Rahim	Rahim	Rahim	Rahim
7881	Abhinandan Laxman kolikar	Abhinandan	Abhinandan	Abhinandan	Abhinandan	Abhinandan	Abhinandan	Abhinandan	Abhinandan
7896	Aditya Parasrath Rajput	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya
7890	Miss Kalyani P. Patil	Kalyani	Kalyani	Kalyani	Kalyani	Kalyani	Kalyani	Kalyani	Kalyani
7893	Shreya Shahaji Patil	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya
7886	Saniya Niyaj Mujawar	Saniya	Saniya	Saniya	Saniya	Saniya	Saniya	Saniya	Saniya
7892	Rohini Vilas Patil	Rohini	Rohini	Rohini	Rohini	Rohini	Rohini	Rohini	Rohini
7878	Vaibhav Masuti Kadvekar	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav
7900	Vaibhav Mahendra Thakre	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav
7880	Khanika Akash Baburao	Khanika	Khanika	Khanika	Khanika	Khanika	Khanika	Khanika	Khanika
7443	Sanjana Sanjay Patil	Sanjana	Sanjana	Sanjana	Sanjana	Sanjana	Sanjana	Sanjana	Sanjana
6859	Riya Inas Fernandes	Riya	Riya	Riya	Riya	Riya	Riya	Riya	Riya
6917	sanskriti sanjay Shingare	Sanskriti	Sanskriti	Sanskriti	Sanskriti	Sanskriti	Sanskriti	Sanskriti	Sanskriti
7874	Vasundhara Shree Bondake	Vasundhara	Vasundhara	Vasundhara	Vasundhara	Vasundhara	Vasundhara	Vasundhara	Vasundhara
7879	Mrunali Ramesh Kumbale	Mrunali	Mrunali	Mrunali	Mrunali	Mrunali	Mrunali	Mrunali	Mrunali
7882	Shweta Jitendra Kashtri	Shweta	Shweta	Shweta	Shweta	Shweta	Shweta	Shweta	Shweta
7898	Geeshli Ravindra Tandale	Geeshli	Geeshli	Geeshli	Geeshli	Geeshli	Geeshli	Geeshli	Geeshli
7883	koti Nikita Prulegh	Koti	Koti	Koti	Koti	Koti	Koti	Koti	Koti
7888	Sangeeta Ramawatkar Pareek	Sangeeta	Sangeeta	Sangeeta	Sangeeta	Sangeeta	Sangeeta	Sangeeta	Sangeeta
7875	Somaksha Subhash Bhosale	Somaksha	Somaksha	Somaksha	Somaksha	Somaksha	Somaksha	Somaksha	Somaksha
7873	Ashwini Rajaram Bankar	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini
7899	Peonjali Anandkumar Teedde	Peonjali	Peonjali	Peonjali	Peonjali	Peonjali	Peonjali	Peonjali	Peonjali
7891	Pranita Rajendra Patil	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita
9238	Kaushal Pramod Kulkarni	Kaushal	Kaushal	Kaushal	Kaushal	Kaushal	Kaushal	Kaushal	Kaushal
9236	Aditya Shriram Kulkarni	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya
7872	Anshrit Gaitwad	Anshrit	Anshrit	Anshrit	Anshrit	Anshrit	Anshrit	Anshrit	Anshrit
7872	Prathamesh J. Sutar	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh
7878	Shwami P. Bagade	Shwami	Shwami	Shwami	Shwami	Shwami	Shwami	Shwami	Shwami
7878	Vaibhav M. Kadvekar	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav
7884	Sammudhi G. Magdum	Sammudhi	Sammudhi	Sammudhi	Sammudhi	Sammudhi	Sammudhi	Sammudhi	Sammudhi

ce



“Dissemination of education for Knowledge, Science and Culture”
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Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

Department of Computer Science and Mathematics organized



CRASH COURSE ON PYTHON

Certificate

This is to Certify that Mr. /Miss/Ms. _____

of _____ has successfully completed
50 hours Crash Course on Python organized by Department of Computer Science and Department
of Mathematics during 25 April-13 July 2022.

Dr. V. B. Waghmare
Co-ordinator

Mr. S. P. Patankar
Co-ordinator

Dr. R. R. Kumbhar
Principal

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE

CRASH COURSE ON PYTHON

50 hours beginner course

Syllabus to be implemented from AY 2021-22

Unit	Syllabus	No of Lectures
UNIT-I	<p>Introduction to Programming Languages: Programming languages-their classification and characteristics, language translators and language translation activities.</p> <p>Planning the Computer Program: What is program and programming paradigms Concept of problem Solving, Problem definition, Program design, Debugging, Types of errors in programming, Documentation.</p> <p>Techniques of Problem Solving: Algorithms, Flowcharting, Structured programming concepts, Programming methodologies viz. top-down and bottom-up programming</p>	5L
UNIT-II	<p>Building Blocks of Program: Data, Data Types, Data Binding, Variables, Constants, Declaration, Operations on Data such as assignment, arithmetic, relational, logical or boolean, ternary, bitwise, increment or decrement operators.</p> <p>Introduction to Python Programming: Features, Structure of a Python Program(Python Shell Indentations, Comments), Python Interpreter, Writing and executing simple program, Basic Data Types: numbers(int, long, float, complex), strings, Declaring variables, Performing assignments, arithmetic operations, Sequence Control – Precedence of operators, Type conversion, Simple input-output (print(), raw_input(), input())</p>	5L
UNIT-III	<p>Conditional Statements: if, if-else, nested if –else</p> <p>Looping: for, while, nested loops, else clause with while and for loop</p> <p>Control statements: Terminating loops, skipping specific conditions (break, continue, pass)</p> <p>Numeric Functions: abs(), ceil(), floor(), max(), min(), pow(), sqrt()</p> <p>String Manipulation: Declaring strings, String immutability, unicode string (u'String'), escape sequences (\), Operations on String (Concatenation (+), Repetition (*), Slicing ([index]), Range Slicing([start:end] or [:end] or [start:] , Member ship operator (in, not in)), String Functions : capitalize(), len(), lower(), swapcase(), upper()</p>	10L

UNIT-IV	<p>Lists: Creating a list, Displaying list(print()), Basic Operation(Length (len()), Concatenation(+), Repetition(*), Membership (in, not in), Iteration (for var in list), Slicing, Updating(=) and deleting(del) element of a list. Compare (cmp()), Maximum(max()) and minimum (min())), List Methods (Append (list.append()), Count (list.count()), Insert object (list.insert()), Remove (list.remove(), list.pop()), Reverse (list.reverse()))</p> <p>Tuples (sequence of immutable objects) : Creating tuples(using () brackets) and Deleting tuple(del), empty tuple, Displaying(print()), Basic Operation(Length (len()), Concatenation(+), Repetition(*), Membership (in, not in), Iteration (for var in list), Slicing, Updating(=) and deleting(del) element of a list, Compare (cmp()), Maximum(max()) and minimum (min()))</p>	10L
UNIT-V	<p>Dictionaries – Concept of dictionary, Creating Dictionary ({Key:Value,...}), Values are mutable objects but keys are immutable object, Properties of Dictionary keys, Basic Operation(Length (len()), Compare (cmp()) , Dictionary Methods(Clear (dict.clear())), Existence of Key (dict.has_key()), List of dictionaries tuple pairs (dict.items()), List of keys (dict.keys()), Add dictionary (dict.update()), Dictionary Values (dict.values())</p> <p>Functions: Defining Functions (def, name, arguments, : , function suite, return statement), calling a function, Pass arguments by value or by reference(using list), Advantages of functions, types of functions, function parameters(required, keyword, default), anonymous functions or ternary operator(lambda), Scope of a variable(global and local)</p> <p>Modules: Importing module, Creating & exploring modules, Math module, Random module, Time module, rules of locating module, namespace and scope (local and global), Functions for Modules (List of elements (dir()), List of Local elements (locals()), List of Global elements (globals()), Re importing module (reload())</p>	10L
UNIT-VI	<p>Introduction to NumPy basics – Creating NumPy arrays, structure and content of arrays, subset, slice , index and iterate through arrays, multidimensional arrays, python lists vs numpy arrays, introduction to numpy operations on numpy arrays, operations on array basic, linear algebra operations</p>	5L
UNIT-VII	<p>Introduction to pandas – Introduction, panda basics, Pandas Series, Pandas Data Frames, Reading csv files, Reading JSON, Pandas analyzing Data, Cleaning Data : Cleaning empty cell, Cleaning wrong format, Cleaning wrong data, Removing Duplicates, Pandas Correlation, Pandas Plotting : Scatter plot, Histogram</p>	5L
<p>Text books:</p> <ol style="list-style-type: none"> 1) Charles Dierbach, Introduction to Computer Science using Python, Wiley, 2013 2) James Payne, Beginning Python: Using Python 2.6 and Python 3, Wiley India, 2010 P 3) Paul Gries, Jennifer Campbell, Jason Montojo, Practical Programming: An Introduction to Computer Science Using Python 3, Pragmatic Bookshelf, 2/E 2014 <p>Additional References:</p> <ol style="list-style-type: none"> 1. Paul Gries , Jennifer Campbell, Jason Montojo, Practical Programming: An Introduction to omputer Science Using Python 3, Pragmatic Bookshelf, 2/E 2014 2. Adesh Pandey, Programming Languages – Principles and Paradigms, Narosa, 2008 3. A. Lukaszewski, MySQL for Python: Database Access Made Easy, Pact Publisher, 2010 		

Practicals

Python Programming

Using the Operating system (logging, creating – deleting folders, creating-deleting files, using editors etc.)

- (1) Installing python and setting up environment. Simple statements like printing the names, numbers, mathematical calculations, etc.
- (2) Simple programs containing variable declaration and arithmetic operations
- (3) Programs based on conditional constructs
- (4) Programs based on loops
- (5) Programs related to string manipulation
- (6) Programs related to Lists, Tuples
- (7) Programs related to dictionaries
- (8) Programs to read & write file.
- (9) Programs to do searching and sorting



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Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

DEPARTMENT OF ECONOMICS

05 April 2022

NOTICE

All the students enrolled for the course 'Securities Market and Investment Analysis' are hereby informed that, an inaugural function of the course and lecture no. 1 is organized on Friday, 8 April 2022 in room No. 19 at 11.00 am. Attend it and participate actively.


(Dr. Kailas Patil)

HEAD,
DEPARTMENT OF ECONOMICS
VIVEKANAND COLLEGE, KOLHAPUR



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Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

DEPARTMENT OF ECONOMICS

Certificate Course in Securities Market and Investment Analysis

REGISTRATION CHART

25/07/22

Sr.no	Vishya Name of the Student	Class	Roll No	Mob. No	Receipt No. (Rs. 500/-)	Signature
1	पिखजीत माधव घाटगे Ghate	B.A.II	4993	7397993714	500 ✓ - 0154	V. Ghate
2	वैष्णवी संजय पाटीळे	B.A.II	5128	8237837232	500 ✓ - 0155	V.S. Patole
3	Aakanksha Hanmant Dolare	B.A.II	4987	9766261924	500 ✓ - 0156	A. Dolare
4	रमिका सुभाष पोवार	B.A.II	5136	9022855810	500 ✓ - 0157	R.S. Pawar
5	आमली अंभोजी मनि	B.A.II	5085	8855865735	500 ✓ - 0158	A. Mane
6	Avantika Madhav Kuber	BA.II	5055	8975350802	500 ✓ - 0159	A.M. Kuber
7	Aditya Manvendra Waskar	B.A.II	5173	9579872322	500 ✓ - 0160	A. Waskar
8	Gunjan Santosh Saini	B.A.II	5149	9623493856	500 ✓ - 0161	G. Saini
9	Sekshi vilas valkunjje	B.A.III	5489	8432841888	BA/DCI/BN/19-20/3512	S. Valkunjje
10	Aze Azim Aslam Baggir	B.A.III	5465	8317292491		A. Baggir
11	Lohar Nikita Sunil	B.A.II			500 ✓ - 0162	N. Lohar
12	Kashid Ankita Mahadev	B.A.III			BA/DCI/BN/19-20/3836	A. Kashid

Sr.no	Name of the Student	Class	Roll No	Mob. No	Receipt No. (Rs. 500/-)	Signature
13	Raj Ramesh Tahasildar.	B.Sc. III	7867	9172490657	500/- - 0163	<i>Tahasildar</i>
14	Sourabh K. Nerlekar.	B.Sc. III	7825	7387408224	500/- - 0164	
15	Abhijeet K. Lad.	B.Sc. III	7815	8329973157.	500/- - 0165	
16	Praful R. Kandulkar.	B.Sc. III	7805	9834170330	B1/DC/BN/2019-20/4322	
17	Swagat D. Sutar.	B.Sc. III	7864	9922635983	02/DC/O/2019-20/1253	<i>Swagat Sutar</i>
18	Pallavi . D. Arade	BA. III	4593	7385431670	500/-	<i>Arade</i>
19	Sanjana . s. Buva .	BA II	5177	7058535084.	500/-	<i>Buva</i>
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

(Dr. Somnath V. Kale)
Course Coordinator

(Dr. Kailas S. Patil)

HEAD,
DEPARTMENT OF ECONOMICS
VIVEKANAND COLLEGE, KOLHAPUR



KOLHAPUR
NAAC Accredited
College With Potential For Excellence
"Star College" by D. B. T. Govt. of India

"ॐ नमो भगवते वासुदेवाय"

-आत्मनो ज्ञानं ब्रह्मणो ज्ञानम्-

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE (Autonomous), KOLHAPUR

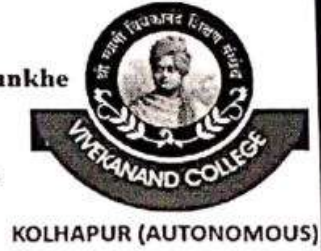
Application for Value Added Course in

Date of Admission:	Class: B.Sc (Chemistry)		
Sign of Student:	Roll No. 7864		
For college use only	Course Admitted to		
	Admission Date: / /		
Kindly read important notes before filling in form:			
1. Use Black ink to fill in the form and DO NOT over-write.			
2. Fill in all fields in Capital letter only.			
1. Personal information section			
Name of the Student (In case of changed name, write current name)	Last Name	First Name	Middle Name
Name of the Student: (in Devanagari Script)	SUTAR	SWAGAT	DADASO
Father/ Husband's Name	सुतार	स्वागत	ददसो
Mother's Name	SUTAR	DADASO	DATTU
Previous Name of the Student (in case of changed name)	SUTAR	UJVALA	DADASO
Reason for name change : Willingly / After marriage	Marital Status : Unmarried/ Married		
Date of birth (DD/MM/YY): 05 - 02 - 2001	Gender : Male / Female		
Place of Birth : Kolhapur	Blood Group : (With Rh.) O+ve		
Address for correspondence : A/P Sangavade.			
State Maharashtra	District: Kolhapur	Tehsil: Karveer	City/Town/Village: Sangavade
Address (House no., Street/area etc.):			PIN code 416202
Contact details :			
Phone # 1: Area/STD code :	Phone No.	Phone#2: Area/STD code:	Phone no.
Mobile No. 9922635983			
2. Legal Reservation Information Section			
Domicile of state: Maharashtra	Category: Open/Reserved	If Reserved: SC/ST/DT/NT(B)/NT(C)/NT(D)/OBC/SE	
Cast :	Sub-Cast:	If physically challenged: Visually Impaired/ Speech and/or Hearing impaired/ Orthopedic disorder or Mentally Retarded	

Please turn over.



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Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur
(Autonomous)



'Modi Lipi course'

1. **Name of Department:** Vivekanand College, Kolhapur (Autonomous)
2. **Name of Organized Activity:** Value Added Courses on 'Modi Lipi'
3. **Date/ Duration:** 1 March-30 April 2022
4. **Aims and Objectives:**
 - To enable the interest among the students regarding Modi lipi
 - To make the students to understand, read, and write important historical documents in modi lipi
 - To create awareness and increase interest in new generation of users.

5. **No. of beneficiaries:** 28

Teachers	Male	1
	Female	1
Students	Male	16
Participants	Female	10

6. **Expenditure & funding agency :**


7. **Brief description:**

The Department of History has organized two month value added course on 'Modi Lipi' from 1 March to 30 April 2022 for students to create awareness about the ancient modi lipi and to know the words, reading old scripts, letters and its significance in the historical documents. Prof. Namrata Dhale has delivered a lectures and gave fruitful knowledge to our students. There were 26 students from B.A. attended and 2 teachers were organized this course successfully.

8. **Outcome:**

- Created interest among the students
- Understood the importance of historical documents of modi lipi.
- Gained the knowledge regarding reading, writing about modi lipi

9. **Photos:** Attached


Dr. S. R. Kattimani

H.C.D.

Department of History

Vivekanand College, Kolhapur (Autonomous)

विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त)
इतिहास विभाग आयोजित

मोडी लिपी प्रमाणपत्र कोर्स

२०२१-२०२२

कोर्स कालावधी
६० दिवसांचा

कोर्स फी
१००/-

सुरुवात
दि.-

वेळ : ११ ते १२

स्थळ - रूम नं. १३, इतिहास विभाग,
विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त)

✦ मोडी लिपी प्रमाणपत्र कोर्स ✦
विद्यार्थी, शिक्षक इ. साठी

★ मोडी लिपी बरोबर ★

प्राचीन व मध्ययुगीन कालखंडातील कालगणना, कागदपत्रांचे प्रकार, जुने शेतीविषयक मोजमापाचे प्रकार, वजन व धान्य मापनाचे प्रकार, रेकॉर्ड ऑफिस विषयक माहिती

कोणत्याही शाखेच्या विद्यार्थी प्रवेश घेऊ शकतो.

इतिहास विभाग प्रमुख
डॉ. एस. आर. कट्टीमनी
मो. नं. 9860090689

प्राचार्य
डॉ. आर. आर. कुंभार

विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त)

सूचना


No.NB/ /२०२१-२२

दि : १५.२.२०२२

महाविद्यालयातील बी ए भाग ३ च्या सर्व विद्यार्थ्यांना सूचित करणेत येते की, नव्या राष्ट्रीय शैक्षणिक धोरणाच्या अनुशंगाने IKS (Indian Knowledge System) च्या अनुशंगाने मोडी लिपी भाषांतर व लिप्यांतर हा Value Added Course इतिहास विभागातर्फे दि. १ मार्च २०२२ ते ३० एप्रिल २०२२ या कालावधीत आयोजित केला जाणार आहे. मोडी लिपीचे ऐतिहासिक साधन म्हणून असलेले महत्व लक्षात घेता बी ए भाग ३ साठी हा कोर्स आयोजित केला आहे. यासाठी इतिहास विभागातील प्रा. नम्रता ढाळे हे मोडी लिपी तज्ञ प्रशिक्षक म्हणून उपस्थित राहणार आहेत. तरी बी ए भाग ३ च्या इच्छुक विद्यार्थ्यांनी आपली नावे इतिहास विभाग प्रमुख डॉ एस आर कट्टीमनी यांचेकडे दि.२०.२.२०२२ पर्यंत लेखी किंवा तोंडी कळवावीत. तसेच सर्व तासांना उपस्थित असणाऱ्या विद्यार्थ्यांना सर्टिफिकेट दिले जाईल.


डॉ एस आर कट्टीमनी
विभाग प्रमुख
इतिहास विभाग,

विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त),


डॉ. आर. आर. कुंभार
प्राचार्य
विवेकानंद कॉलेज
कोल्हापूर.



Vivekanand College, Kolhapur (Autonomous)

History Department



Students Attendance- Modi Script Translation and Transliteration -

(1st March to 30th April, 2022)

(स्वायत्त) कोल्हापूर

Sr. No	Name of the Student	1/3	2/3	3/3	4/3	7/3	8/3	9/3	10/3	14/3	15/3	16/3	21/3	22/3	23/3	24/3	25/3	26/3	28/3	29/3	30/3	31/3	Sign	
1	ASWALE AKASH TANAJI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	<i>Asht.</i>
2	CHAVAN GANESH BHIKAJI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	<i>Gry</i>
3	CHOUGALE SWAGAT SAMBHAJI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	<i>Swagat</i>
4	CHOUGULE ASHITOSH NANDKUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	<i>Alf</i>
5	CHOUGULE SATISH SANJAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	<i>Sa</i>
6	GAIKWAD ANIKET VIKAS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	<i>GAIKWAD</i>
7	GAVASE SWAPNIL SAMBHAJI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	<i>Sw</i>
8	GHUNKIKAR AKANKSHA ANIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	<i>GHUNKIKAR</i>

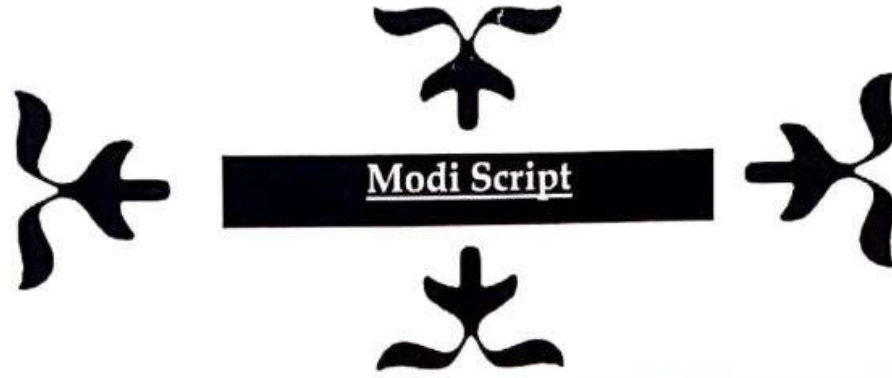
23	SATPUTE OMKAR KRUSHNA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	<i>[Signature]</i>
23	SUTAR PRATHMESH RAJENDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	<i>[Signature]</i>
24	SUTAR TANAYA RAMCHANDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	<i>[Signature]</i>
25	ZORE DEVDAS RAMCHANDRA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
26	MAGDUM PRAJAKTA DIGAMBAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	<i>[Signature]</i>


 (Dr. S. R. Kattimani)
 H.O.D.
 Department of History
 Govt. College, Kothabur (Autonomous)

“Dissemination of Education for Knowledge, Science and Culture”
-Shikshanmaharshi Dr. Bapuji Salunkhe



Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)



(1st March to 30th April 2022)

REGISTRATION LIST

Sr. No	Name of the Student	Mobile No	Signature
1	ASWALE AKASH TANAJI	7030453136	<i>Asht.</i>
2	CHAVAN GANESH BHIKAJI	7038362106	<i>-Guruf</i>
3	CHOUGALE SWAGAT SAMBHAJI	8605075235	<i>Swagat.</i>
4	CHOUGULE ASHITOSH NANDKUMAR	7028698472	<i>Asht.</i>
5	CHOUGULE SATISH SANJAY	9285670004	<i>Sanj.</i>
6	GAIKWAD ANIKET VIKAS	7972090745	<i>(Aikwad)</i>
7	GAVASE SWAPNIL SAMBHAJI	9284171166	<i>Swapnil</i>
8	GHUNKIKAR AKANKSHA ANIL	7407361198	<i>(Ankilcar)</i>
9	GUDMEWAR AMEY NARAYAN	9604777422	<i>Ame</i>
10	HULSWAR PRATHMESH SUBHASH	7972284080	<i>Prulswar</i>
11	JADHAV ROHIT DILIP		<i>RPJadhav</i>
12	JAMADAR AMAN ASLAM		<i>AJamadar</i>
13	KADAM SAKSHI LAXMAN		<i>Sakshi</i>
14	KITE SAKSHI PANDURANG	7821872434	<i>S.P.Kite.</i>

15	KOUNDADE NEHA SHIVAJI		
16	MALI RUTUJA ARAVIND	9686654704	<i>Prati</i>
17	MANE PRATIK LAKAPPA	7020310390	<i>Arman</i>
18	NIKAM VAISHNAVI VITTHAL	9421554069	<i>Man</i>
19	PATIL PIYUSHA ANIL	9172882057	<i>Prati</i>
20	PAWAR POOJA ARJUN	8755879226	<i>Prati</i>
21	SALAVI AJIT VITTHAL	9130301031	<i>AVS</i>
22	SATPUTE OMKAR KRUSHNA	8551190081	<i>Prati</i>
23	SUTAR PRATHMESH RAJENDRA		<i>Prati</i>
24	SUTAR TANAYA RAMCHANDRA	9579329742	<i>Prati</i>
25	ZORE DEVDAS RAMCHANDRA		
26	MAGDUM PRAJAKTA DIGAMBAR	9067677089	<i>Prati</i>

Namrta Dhale
Ms. Namrta Dhale
Modi - Teacher

S. R. Kattimani
Dr. S. R. Kattimani
Head & Coordinator
H.O.D.
Department of History
Vivekanand College, Kolhapur (Autonomous)



Education for Knowledge, Science and Culture
-ShikshanMaharshi Bapuji Salunkhe



Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)

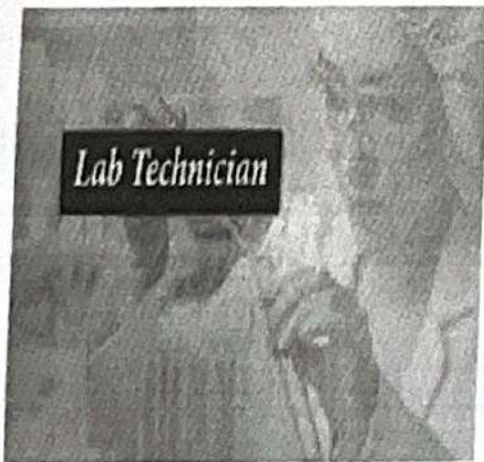
Department of Zoology

Academic Year : 2021-2022

CAREER ORIENTED COURSE

CERTIFICATE COURSE IN MEDICAL LABORATORY TECHNICIAN (CMLT)

(Affiliated to Shivaji University Kolhapur & UGC Granted)



Lab Technician



Eligibility: 12th pass Science Intake: 120 Duration: 1 year

Admission start From: June 2021

Dr. G. K. Sontakke
Coordinator CMLT

Dr. R. R. Kumbhar
Principal
Vivekanand College, Kolhapur

"Education for Knowledge, Science and Culture"
-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)



(Affiliated to Shivaji University Kolhapur)
NAAC Reaccredited: "A" with CGPA 3.24

Revised Syllabus For
Certificate course In Medical Laboratory Technician
(CMLT)

Syllabus to be implemented from
July, 2022 onwards

2. Admission to the course should be done once in a year. The course will begin in the academic year

3. University examination for CMLT will be conducted at the end of the course i.e., after completion of two academic terms.

9. Essential Requirements:

- i. Lecture hall with all essential facilities.
- ii. Collaboration with minimum two pathological laboratories for practical experience.
- iii. Laboratory
 - a. One laboratory of minimum size of 400 Sq. ft. for a batch of 20 students.
 - b. One working table of size 6' x 2% per two students.
 - c. Arrangements for gas supply and fitting of two burners per table.
 - d. At least one wash basin for a group of five students
 - e. One separate sterilization and washing room attached to the laboratory (10'10").
 - f. One separate instrument room attached to the laboratory (10' x 10'),
 - g. One separate media and reagent preparation room attached to the laboratory (10 x 10)

iv. Equipment's in the laboratory:

Sr.No	Name of Instrument	Quantity
a	Hot air oven	1
b	Incubator	1
c	Autoclaves	1
d	Refrigerator	1
e	Medical microscopes (Binocular)-	10
f	Chemical balance	2
g	pH meter	2
h	Centrifuge	2
i	Colorimeter	
j	Magnetic stirrer	2
k	Colony counter	1
l	Water bath	1
m	Micropipettes (10 to 200 ul)	1
n	Haemoglobinometer	2
o	ESR Units	1
p	ELIZA Reader	2
q	Microtome with knives	11
r	Staining racks	
s	Haemoglobinometer	2

v. Glassware, chemicals and reagents - As per the requirements of practical's in the syllabus.

vi. Laboratory Safety Equipment's

Sr.No	Name of Instrument
a	Fire extinguisher
b	First aid kit
c	Fumigation chamber
d	Stabilized power supply
e	Insulated wiring for electric supply
f	Good valves & regulators for gas supply.
g	Operational manuals for instruments,
h	Emergency exits.

vii. Library: With books as per recommended list.

VIVEKANAND COLLEGE, KOLHAPUR. (AUTONOMOUS)
Department of Zoology
 UGC Recognized Career Oriented Course
 Certificate course in Medical Laboratory Technology (CMLT)
 Roll Call Academic year: - 2021-2022

Sr.No	Name of the Student	Mobile No
1	PAWAR RAVINDRA BHAGAWAN	7219117167
2	GURAV MAYURI RANGRAV	9130787209
3	GOZE NAUJEEVAN VITTAL	7271001212
4	CHAVAN RAHUL SATAPPA	7058057075
5	MUJAWAR TASHIM LIYAKAT	7875643266
6	SHAIKH IJAJ IQBAL	7767863616
7	DESAI SHRENIK UDAY	8623097423
8	GHORPADE RUPCHAND DEEPAK	8767255013
9	LOVELY JITENDRA SAV	9579212992
10	LAMBE NEHA KRISHNAT	9175047169
11	CHOUGULE RUTUJA SUNIL	9325189122
12	DHAVAL SHRADDHA VINOD	9373664677
13	JADHAV AARATI SUNIL	9764308335
14	UPADHYE ANJIRI SACHIN	7057137811
15	DESAI TAMANNA SULTAN	9011026565
16	GURAV YASH SHASHIKANT	7066646346
17	SURYANSHI SURAJ PRATAP	7796789321
18	PATOLE RUSHIKESH ASHOK	9022832256
19	INAMDAR UMARFARUKH SULTAN	9139589313
20	MANE KUNAL JEEVAN	8530040467
21	DESAI ABHISHEK DILIPKUMAR	8180962686
22	DESAI KHADIJA HIMMAT	8263001324
23	PATIL SANYOGITA SANJAY	9373868950
24	PATIL VAIBHAVI AMAR	9834493818
25	CHIKHALKAR VEDIKA VAIBHAV	8698076046
26	KAMBLE ARTI CHANDRAKANT	7887359557
27	PATIL PRATIKSHA RAJARAM	9561517635
28	MORE GARSHADA ANIL	8080567974
29	SHAIKH KARISHMA BAPU	9175866809
30	MARDANE VAISHNAVI UTTAM	9552435474
31	MLOE PRATIK KRUSHNAT	8381073939
32	NALE SANDHYA SAMBHAJI	7218444006
33	PATILVIKAS NARAYAN	8275601534
34	PATIL ABHISHEK SUBHASH	8208260505
35	PADALKAR SIDDHESH MUKUND	9119401983

36	POWAR PRATIKSHA SAMBHAJI	
37	DIXIT SUJATA RAMASHISH	9850736005
38	GHADAGE VAISHNAVI VINAYAK	8530881027
39	SANGAR SRUSHTI SANTOSH	9359784780
40	SHINDE CHAITRALI VIDYADHAR	9325122998
41	SHELEKA PRERANA PRATAP	9922432265
42	MULLANI SANA CHAND	9561668699
43	ZIRANGE ANURADHA ARUN	8855068767
44	PATIL AKANKSHA BAPU	8329123324
45	HARSHE SHEKHAR PRAKASH	9146248457
46	PATIL SHANTANU SURYAJI	7499234959
47	KARALE PRIYANKA BHARAT	9325687744
48	KHANDEKAR RUTUJA NARAYAN	8805943196
49	PATIL DAKSHATA ANIL	9011228340
50	MANE SHRADHA MOHAN	7588912708
51	MANE RUSHIKESH MOHAN	8605323280
52	PATIL AASHISH MADHUKAR	7218827575
53	AGALAVE PRAJAKTA VINAYAK	9146803032
54	DESAI HARSHADA JAYSING	7447839303
55	GHATAGE SHIVANI SHIVAJI	7350072613
56	KOLI ABHISHEK VIJAYKUMAR	7776053795
57	PATIL SAKSHI ANIL	8483868352
58	PATIL SAKSHI ANIL	9021712098
59	KUMBHAR KAVITA SANJAY	7350958569
60	PATIL AMRUTA EKNATH	7397895345
61	KHAMBE ABHISHEK NANDKUMAR	8888444618
62	MANE AISHWARYA ASHOK	9172587127
63	KULKARNI AVADHUT SHRIDHAR	9900228152
64	JADHAV MONALI SANTOSH	7249682312
65	SHELAR RAJESHWARI KRUSHNAT	7058984053
66	PATIL RUTUJA RAJENDRA	7057681291
67	KHAN FIJA NURAMAHAMOD	9527166076
68	PATIL VIKRAM SHANTARAM	9403212282
69	CHOUGULE VAIBHAV BAJERANG	7350107816
70	KAMBLE NIKITA RAJARAM	9579387874
71	PATIL PRATHAMESH RAJESH	8208814217
72	PATIL NEERAJ DEEPAK	8659026741
73	PATIL VIDYA NEMINATH	8496822862
74	LAMBE PRATIKSHA RANJEET	9322137472
75	BELGAVAKAR SABA RAFIK	7483412552
76	KULKARNI ARPITA AJIT	8767224047
77	KORE AKSHATA PRAKASH	8855093872
78	KAMBLE KARUNA MURLIDHAR	8951151421
79	KUMBHAR SHRUTI RAMCHANDRA	7666899115
79 **	JAGDALE PRATIKSHA SUNIL	9975000479

80	PATIL AKSHAY RANGRAO	8530914330 / 9356451619
81	KARALE RUSHIKESH RAVSAHEB	9359940408
82	KHATIB RAMJAN SALIM	9325951440
83	MALAGE SUNIL BABURAO	7410554193
84	POWAR VINAYAK DILIP	8788720183
85	KHADE SAMURDDHI NIVAS	9359794581
86	ROKADE SAKSHI SATISH	9371217525
87	KAMBLE ANIKET ASHOK	7770003514
88	LOMATE PRANAV MAHESH	9657100975
89	PATIL SONAM SUBHASH	7517907797
90	PATIL SANJANA SHRIDHAR	7259932684
91	DORKADE VASIHNAVI SATISH	8805385311
92	LOHAR ADITYA SATISH	8888237528
93	MASURKAR NAMDEV HARI	7066933519
94	BANSODE SHRADDHA RAMESH	7498974822
95	PATIL TAJASWINI SHASHIKANT	7057073019
96	DUBULE MADHURI DINKAR	9067168494
97	UPADHE PRAJAKTA VARDHAMAN	7498959875
98	GIJE NANDINI RAVINDRA	9579653438
99	SHINDE TUSHAR POPATRAO	7756996492
100	KOLI NIKITA UTTAM	8421400650
101	KOLI PREETI DIPALI	9356825086
102	PATIL PRUTHVIRAJ DINKAR	7028699395
103	JADHAV KALYANI MARUTI	9766953727
104	SURYAVANSHI Sampada VISHWANATH	9970814186
105	PATIL SANI SHIVAJIRAO	7057332600
106	PATIL SWAPANALI AKSHAY	7030541343
107	DAREKAR VISHAKHA VISHVANATH	8956186613
108	AAGLAVE PRATHMESH SURESH	9359478127
109	PATIL PRAGATI TANAJI	9028343595
110	KAMBLE AMRUTA NAMDEV	9096765357
111	NIRMALE SAKSHI SUNIL	7774982885
112	SUTAR PRAVEEN RAJENDRA	9373281760
113	UBARE SAKSHI SANJAY	7057286253
114	KUMBHAR SURAJ RAJARAM	9373557478
115	RAJAPUT SANJIT RANJIT	7887665392
116	KAMBLE VISHWAJEET DATTATRAY	7270080032
117	CHOUGULE SAHIL FIROJ	9850057212
118	KULKARNI DIVYA ASHOK	7499270924
119	THANEKAR VAIBHAV MAHENDRA	8552031128
120	KESARE ANKITA BHAGWAN	9112929372

G. K. Sontakke

Dr. G. K. Sontakke
Coordinator CMLT
Vivekanand College,
Kolhapur (Autonomous)

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
Certificate course in Medical Laboratory Technology (CMLT) (Batch -I)
 UGC Recognized Career Oriented Course
 SHIVAJI UNIVERSITY, KOLHAPUR
 Academic year: 2021-2022

Mark-list

Sr. No	Name of student	Exam Seat No.	Mother's Name	Anatomy & Physio	Clinical Biochem, Microbio	Practical	Total	Percentage (%)	Remark
1	Aaglave Prathmesh Suresh	CM2101	-----	92	90	46	228	76.00	First class with dist.
2	Agalave Prajakta Vinayak	CM2102	Vijaya	94	88	87	269	89.67	First class with dist.
3	Bansode Shraddha Ramesh	CM2103	Savita	86	86	88	260	86.67	First class with dist.
4	Belgavakar Saba Rafik	CM2104	Heena	68	70	83	221	73.67	First class
5	Chavan Rahul Satappa	CM2105	Geeta	92	76	76	244	81.33	First class with dist.
6	Chikhalkar Vedika Vaibhav	CM2106	-----	AB	AB	AB	0	0.00	Absent.
7	Chougale Rutuja Sunil	CM2107	Vandana	88	78	80	246	82.00	First class with dist.
8	Chougale Sahil Firoj	CM2108	Sadika	94	88	82	264	88.00	First class with dist.
9	Chougale Vaibhav Bajrang	CM2109	-----	AB	AB	AB	0	0.00	Absent
10	Darekar Vishakha Vishwanath	CM2110	Geeta	94	86	85	265	88.33	First class with dist.
11	Desai Abhishek Dilipkumar	CM2111	Rajnanda	90	70	82	242	80.67	First class with dist.
12	Desai Harshada Jaysing	CM2112	Laxmi	82	78	79	239	79.67	First class with dist.
13	Desai Khadija Himmat	CM2113	Najama	86	84	81	251	83.67	First class with dist.
14	Desai Shrenik Uday	CM2114	Vanita	96	96	91	283	94.33	First class with dist.
15	Desai Tamanna Sultan	CM2115	Rijawana	82	66	82	230	76.67	First class with dist.
16	Dhavale Shraddha Vinod	CM2116	Shivali	98	86	84	268	89.33	First class with dist.
17	Dixit Sujata Ramashish	CM2117	Mamata	94	86	84	264	88.00	First class with dist.
18	Dorkade Vaishnavi Ganpat	CM2118	Ankita	74	68	82	224	74.67	First class
19	Dubule Madhuri Dinkar	CM2119	-----	86	86	AB	172	57.33	Fail
20	Ghadage Vaishnavi Vinayak	CM2120	Ashwini	92	86	79	257	85.67	First class with dist.

21	Ghatage Shivani Shivaji	CM2121	Swati	78	78	63	219	73.00	First class
22	Ghorpade Rupchand Deepak	CM2122	Savita	96	94	90	280	93.33	First class with dist.
23	Gije Nandini Ravindra	CM2123	Reshma	90	80	68	238	79.33	First class with dist.
24	Gore Navjivan Vitthal	CM2124	Kalpana	90	80	70	240	80.00	First class with dist.
25	Gurav Mayuri Rangrao	CM2125	Shobha	88	72	75	235	78.33	First class with dist.
26	Gurav Yash Shashikant	CM2126	Sunita	80	68	66	214	71.33	First class
27	Harshe Shekhar Prakash	CM2127		AB	AB	AB	0	0.00	Absent
28	Inamdar Umarfarukh Sultan	CM2128	Farjana	92	86	73	251	83.67	First class with dist.
29	Jadhav Aarati Sunil	CM2129	Sarita	74	64	75	213	71.00	First class
30	Jadhav Kalyani Maruti	CM2130	-----	78	60	AB	138	46.00	Fail
31	Jadhav Monali Santosh	CM2131	-----	42	26	AB	68	22.67	Fail
32	Jagdale Pratiksha Sunil	CM2132	Jayshri	92	86	51	229	76.33	First class with dist.
33	Kamble Amruta Namdev	CM2133	-----	60	60	AB	120	40.00	Fail
34	Kamble Aniket Ashok	CM2134	Ashwini	86	70	51	207	69.00	First class
35	Kamble Arati Chandrakant	CM2135	Swati	86	80	54	220	73.33	First class
36	Kamble Karuna Murlidhar	CM2136	Sujata	82	74	51	207	69.00	First class
37	Kamble Nikita Rajaram	CM2137	Suvarna	74	76	53	203	67.67	First class
38	Kamble Vishwajeet Dattatray	CM2138	Maya	88	72	50	210	70.00	First class
39	Karale Priyanka Bharat	CM2139	Nanda	94	70	55	219	73.00	First class
40	Karale Rushikesh Ravsaheb	CM2140	Savita	88	82	55	225	75.00	First class with dist.

Gita
Dr. G. K. Sontakke
 Coordinator CMLT/DMLT
 Vivekanand College,
 Kolhapur (Autonomous)

Pr
Dr. R. R. Kumbhar
PRINCIPAL
 Vivekanand College,
 Kolhapur

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
Certificate course in Medical Laboratory Technology (CMLT) (Batch -II)
 UGC Recognized Career Oriented Course
 SHIVAJI UNIVERSITY, KOLHAPUR
Academic year: 2021-2022

Mark-list

Sr. No	Name of student	Exam Seat No.	Mother's Name	Anatomy & Physio	Clinical Biochem, Microbio	Practical	Total	Percentage (%)	Remark
1	Kesare Ankita Bhagwan	CM2141	Sunanda	66	72	52	190	63.33	First class
2	Khade Samurddhi Nivas	CM2142	Sarita	82	72	53	207	69.00	First class
3	Khambe Abhishek Nandkumar	CM2143	Suvarna	84	76	51	127	70.33	First class
4	Khan Fija Nuramahamad	CM2144	Tabbasum	84	80	54	218	72.67	First class
5	Khandekar Rutuja Narayan	CM2145	Shardha	90	70	51	211	70.33	First class
6	Khatib Ramjan Salim	CM2146	Chandbi	92	90	53	235	78.33	First class with dist.
7	Koli Abhishek Vijaykumar	CM2147	Asha	96	86	74	256	85.33	First class with dist.
8	Koli Nikita Uttam	CM2148	Sangita	86	74	59	219	73.00	First class
9	Koli Preeti Dipak	CM2149	Savitri	78	66	58	202	67.33	First class
10	Kore Akshata Prakash	CM2150	----	AB	AB	AB	0	0.00	Absent
11	Kulkarni Arpita Ajit	CM2151	Angha	94	76	81	251	83.67	First class with dist.
12	Kulkarni Avadhut Shridhar	CM2152	Meena	70	70	66	206	68.67	First class
13	Kulkarni Divya Ashok	CM2153	Alaka	90	82	59	231	77.00	First class with dist.
14	Kumbhar Kavita Sanjay	CM2154	Mangal	86	82	82	250	83.33	First class with dist.
15	Kumbhar Shruti Ramchandra	CM2155	Varsha	88	76	76	240	80.00	First class with dist.
16	Kumbhar Suraj Rajaram	CM2156	Vaishali	78	82	58	218	72.67	First class
17	Lambe Neha Krishnat	CM2157	Madhavi	82	74	68	224	74.67	First class
18	Lambe Pratiksha Ranjeet	CM2158	Vidya	90	88	66	244	81.33	First class with dist.
19	Lohar Aditya Satish	CM2159	Shital	86	86	68	240	80.00	First class with dist.
20	Lomate Pranav Mahesh	CM2160	Surekha	84	66	56	206	68.67	First class
21	Sav Lovely Jitendra	CM2161	Savitadevi	84	84	63	231	77.00	First class with dist.
22	Malage Sunil Baburao	CM2162		AB	AB	AB	0	0.00	Absent

23	Mane Aishwarya Ashok	CM2163	----	AB	AB	AB	AB	0	0.00	Absent				
24	Mane Kunal Jeevan	CM2164	Asha	92	74	59	225	75.00	First class with dist.					
25	Mane Rushikesh Mohan	CM2165	----	68	AB	AB	68	22.67	Fail					
26	Mane Shradha Mohan	CM2166	----	92	78	AB	170	56.67	Fail					
27	Mardane Vaishnavi Uttam	CM2167	Asha	92	84	74	250	83.33	First class with dist.					
28	Masurkar Namdev Hari	CM2168	Sheela	86	86	43	215	71.67	First class					
29	Mole Pratik Krushnat	CM2169	Vanita	90	68	10	168	56.00	Second class					
30	More Harshada Anil	CM2170	Sangita	88	70	75	233	77.67	First class with dist.					
31	Mujawar Tasanim Liyakat	CM2171	Shama	84	66	44	194	64.67	First class					
32	Mullani Sana Chand	CM2172	Naushad	94	86	79	259	86.33	First class with dist.					
33	Nale Sandhya Sambhaji	CM2173	----	86	68	AB	154	51.33	Fail					
34	Nirmale Sakshi Sunil	CM2174	Mangal	64	80	85	229	76.33	First class with dist.					
35	Padalkar Siddhesh Mukund	CM2175	Mansi	84	86	77	247	82.33	First class with dist.					
36	Patil Sanyogita Sanjay	CM2176	Anjana	86	84	82	252	84.00	First class with dist.					
37	Patil Aashish Madhukar	CM2177	Kavita	92	78	61	231	77.00	First class with dist.					
38	Patil Abhishek Subhash	CM2178	Anita	90	68	69	227	75.67	First class with dist.					
39	Patil Akanksha Babu	CM2179	Kamal	88	72	67	227	75.67	First class with dist.					
40	Patil Akshay Rangrao	CM2180	Vandana	80	74	65	219	73.00	First class					

Patil
Dr. G. K. Sontakke
 Coordinator CMLT/DMLT
 Vivekanand College,
 Kolhapur (Autonomous)

Patil
(Dr. R. R. Kumbhar)
PRINCIPAL
 Vivekanand College
 Kolhapur

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
 Certificate course in Medical Laboratory Technology (CMLT) (Batch -III)
 UGC Recognized Career Oriented Course
 SHIVAJI UNIVERSITY, KOLHAPUR
 Academic year: 2021-2022

Mark-list

Sr. No	Name of student	Exam Seat No.	Mother's Name	Anatomy & Physio	Clinical Biochem, Microbio	Practical	Total	Percentage (%)	Remark
1	Patil Amruta Eknath	CM2181	-----	AB	AB	AB	0	0.00	Absent
2	Patil Dakshata Anil	CM2182	Sheela	88	76	74	238	79.33	First class with dist.
3	Patil Deepak Neeraj	CM2183	Sushila	86	58	38	182	60.67	First class
4	Patil Pragati Tanaji	CM2184	Padmaja	84	66	74	224	74.67	First class
5	Patil Prathamesh Rajesh	CM2185	Suvarna	88	86	67	241	80.33	First class with dist.
6	Patil Pratiksha Rajaram	CM2186	Lata	94	74	68	236	78.67	First class with dist.
7	Patil Pruthviraj Dinkar	CM2187	-----	AB	AB	AB	0	0.00	Absent
8	Patil Rutuja Rajendra	CM2188	-----	88	76	68	232	77.33	First class
9	Patil Sakshi Anil	CM2189	Sangeeta	90	76	45	211	70.33	First class
10	Patil Sunny Shivajirao	CM2190		90	90	58	238	79.33	First class with dist.
11	Patil Sanjana Shridhar	CM2191	-----	AB	AB	AB	0	0.00	Absent
12	Patil Shantanu Suryaji	CM2192	Sunita	74	70	67	211	70.33	First class
13	Patil Sonam Subhash	CM2193	-----	AB	AB	AB	0	0.00	Absent
14	Patil Swapnali Akshay	CM2194	Kavita	66	74	66	206	68.67	First class
15	Patil Tejaswini Shashikant	CM2195	Rani	AB	80	64	144	48.00	Second class
16	Patil Vaibhavi Amar	CM2196	Ratan	88	80	68	236	78.67	First class with dist.
17	Patil Vidya Neminath	CM2197	Kusum	86	86	64	236	78.67	First class with dist.
18	Patil Vikram Shantaram	CM2198	-----	AB	AB	31	31	10.33	Absent
19	Patil Vikas Narayan	CM2199	Surekha	90	74	35	199	66.33	First class
20	Patole Rushikesh Ashok	CM21100	Shobha	92	82	63	237	79.00	First class with dist.
21	Powar Pratiksha Sambhaji	CM21101	Sarita	70	54	63	187	62.33	First class
22	Powar Ravina Bhagavan	CM21102	Shobha	78	92	71	241	80.33	First class with dist.

9/12/22

23	Powar Vinayak Dilip	CM21103	AB	AB	AB	AB	0	0.00	Fail
24	Rajaput Sanjit Ranjit	CM21104	88	76	36	200	66.67	First class	
25	Rokade Sakshi Satish	CM21105	AB	AB	AB	0	0.00	Absent	
26	Sangar Srushti Santosh	CM21106	98	92	69	259	86.33	First class with dist.	
27	Shaikh Ijaz Iqbal	CM21107	80	66	45	191	63.67	First class	
28	Shaikh Karishma Babu	CM21108	92	86	59	237	79.00	First class with dist.	
29	Shelar Rajeshwari Krushnat	CM21109	96	86	73	255	85.00	First class with dist.	
30	Shelake Prerana Pratap	CM21110	84	84	65	233	77.67	First class with dist.	
31	Shinde Chaitrali Vidyadhar	CM21111	84	70	43	197	65.67	First class	
32	Shinde Tushar Popatrao	CM21112	82	66	72	220	73.33	First class	
33	Suryavanshi Suraj Pratap	CM21113	78	78	70	226	75.33	First class with dist.	
34	Suryavanshi Sampada Vishwanath	CM21114	78	48	AB	126	42.00	Fail	
35	Sutar Pravin Rajendra	CM21115	66	80	73	219	73.00	First class	
36	Thanekar Vaibhav Mahendra	CM21116	96	86	71	253	84.33	First class with dist.	
37	Ubare Sakshi Sanjay	CM21117	66	80	71	217	72.33	First class	
38	Upadhye Prajakta Vardhaman	CM21118	90	90	81	261	87.00	First class with dist.	
39	Upadhye Anjiri Sachin	CM21119	86	78	67	231	77.00	First class with dist.	
40	Zirange Anuradha Arjun	CM21120	96	82	70	248	82.67	First class with dist.	

Sutar

Dr. G. K. Sontakke

Coordinator CMLT/DMLT
Vivekanand College,
Kolhapur (Autonomous)

Puu

(Dr. R. R. Kumbhar)

PRINCIPAL

Vivekanand College
Kolhapur



“ ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार ”
- शिक्षणमहर्षी डॉ. बापूजी साबुंबे

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

(Affiliated To Shivaji University, Kolhapur)



Certificate of Passing



This is to Certify that **Desai Khadija Himmat**

Mother's Name **Najama**

Has Passed the University Grant Commission (UGC) Recognized

"Certificate Course in Medical Laboratory Technology (CMLT)"

Examination in **First Class with dist.** the month of August Year 2021-2022

The said certificate has been issued to her/his in Kolhapur.

In Testimony Whereof are set the seal of the University, College and Signatures of the Coordinator and Principal of the College.

Dr. G. K. Sontakke

Coordinator CMLT/DMLT
Vivekanand College,
Kolhapur (Autonomous)



Seal of Concerned College



Seal of University

Dr. R. R. Kumbhar

PRINCIPAL
Vivekanand College,
Kolhapur



Education for Knowledge, Science and Culture
-ShikshanMaharshi Bapuji Salunkhe



Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)

Department of Zoology

Academic Year : 2021-2022

CAREER ORIENTED COURSE

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY (DMLT)

(Affiliated to Shivaji University Kolhapur & UGC Granted)



Eligibility: 12th pass Science/B. Sc. (with B. Group)/ M. L.T./
Any equivalent degree

Intake: 120

Duration: 1 year

Admission start From: June 2021

Dr. G. K. Sontakke
Coordinator CMLT

Dr. R. R. Kumbhar
Principal
Vivekanand College, Kolhapur

"Education for Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)



(Affiliated to Shivaji University Kolhapur)
NAAC Reaccredited: "A" with CGPA 3.24

Revised Syllabus For
Diploma In Medical Laboratory Technician (DMLT)

Syllabus to be implemented from
July, 2022 onwards

1. Title of the Course : Diploma in Medical Laboratory Technology

2. Year of Implementation: From June 2022 onwards.

3. General Objectives of the Course : The learner at the end of the course will –

- i. be able to work as technician in laboratories attached to hospitals under the supervisions of senior officers like Biochemist, Microbiologist or Pathologist. They may be employed in a small laboratory functioning independently or attached to a doctor's clinic. Nature of the job dictates that the candidate should give more emphasis on learning of practical skills along with a basic knowledge of the subject.
- ii. be able to carry out the routine tests in all these fields personally. He / She will maintain effective quality control and provide the patient with reliable reports.
- iii. Will acquire the necessary oriental knowledge and practical skill expected of him for the fulfillment of above objectives.
- iv. acquire theoretical knowledge and practical skill leading to further specialization in the elective field.
- v. appreciate and follow the ethical standards of the profession and will demonstrate qualities of honesty and accuracy towards his work and sympathy towards the suffering patients.
- vi. appreciate the limits of his ability and consult better qualified individuals when confronted with intricate problems.

4. Duration : One Year (Full Time)

5. Pattern : Annual

6. Medium of Instruction : English

7. Structure of the Course:

- i. Total number of papers:**
- | | |
|-----------|---|
| Theory | 4 |
| Practical | 4 |

Sr.No.	PAPER NO.	TITLE OF THE PAPER	Total No of Lectures of 1 hr duration	No. of lectures (1 hr duration) per week
1.	Paper I	Anatomy, Physiology, Laboratory Management and Quality Control	80	2
2.	Paper II	Medical Biochemistry	80	2
3.	Paper III	Pathology	80	2
4.	Paper IV	Medical Microbiology	80	2
PRACTICALS				
1.	Paper I	Anatomy and Physiology	-	3hrs x 2 days
2.	Paper II	Medical Biochemistry	-	
3.	Paper III	Pathology	-	
4.	Paper IV	Medical Microbiology	-	

- ii. Pattern of Examination:** The examination shall be held for 600 marks.
The break up shall be as follows.

Sr. No.	Paper No.	Title of the Paper	Marks	
			Theory	Practical
1.	Paper I	Anatomy, Physiology, Laboratory Management and Quality Control	100	50
2.	Paper II	Medical Biochemistry	100	50
3.	Paper III	Pathology	100	50
4.	Paper IV	Medical Microbiology	100	50

Theory examination for four subjects shall be conducted on separate days. Practical examination for three subjects will be conducted on three consecutive days.

iii. Standard of Passing:

- a. Candidate must obtain 35 % marks in theory papers and practical papers separately.
- b. There will be a separate head of passing for theory papers and practical. If candidate fails in one of the heads, he / she has to reappear only for the failed head.

c. iv. Qualification of the Examiners:

- a. All examiners on the University panel for theory and practical should have Master degree in the relevant subject.
- b. There will be two examiners (one internal and one external) for practical examination in each subject.

8. Other features:

1. **Eligibility:** Candidates offering vocational M.L.T. or C.M.L.T. as a subject at HSC (XII) level may be given preference.
2. Admission to the course should be done once in a year. The course will begin in the month of July.

9. Essential Requirements:

- i. Lecture hall with all essential facilities.
- ii. Collaboration with minimum two pathological laboratories for practical experience.
- iii. Laboratory :
 - a. One laboratory of minimum size of 400 Sq. ft. for a batch of 20 students.
 - b. One working table of size 6' x 2½' per two students.
 - c. Arrangements for gas supply and fitting of two burners per table.
 - d. At least one wash basin for a group of five students
 - e. One separate sterilization and washing room attached to the laboratory(10'x10').
 - f. One separate instrument room attached to the laboratory (10' x 10').
 - g. One separate media and reagent preparation room attached to the laboratory (10' x 10')

iv. Equipment's in the laboratory:

- a. Hot air oven - 1
- b. Incubator - 1
- c. Autoclave - 1
- d. Refrigerator - 1
- e. Medical microscopes (Binocular) -10
- f. Chemical balance - 2
- g. pH meter - 1
- h. Centrifuge - 2
- i. Colorimeter - 1
- j. Magnetic stirrer - 1
- k. Colony counter - 1
- l. Water bath - 1
- m. Micropipettes (10 to 200 μ l) -
- n. Hemocytometer - 2
- o. Haemoglobinometer - 2
- p. ESR Units - 2
- q. ELIZA Reader - 1
- r. Microtome with knives - 1
- s. Staining racks

v. Glassware, chemicals and reagents – As per the requirements of practicals in the syllabus.

vi. Laboratory Safety Equipments-

- a. Fire extinguisher
- b. First aid kit
- c. Fumigation chamber
- d. Stabilized power supply
- e. Insulated wiring for electric supply.
- f. Good valves & regulators for gas supply.
- g. Operational manuals for instruments.
- h. Emergency exits.

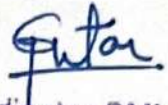
vii. **Library:** With books as per recommended list.

VIVEKANAND COLLEGE, KOLHAPUR. (AUTONOMOUS)
DEPARTMENT OF ZOOLOGY
 UGC Recognized Career Oriented Course
 Diploma course in Medical Laboratory Technology (DMLT)
 Roll Call Academic year: - 2021-2022

Sr.No	Name of the Student	Mobile No
1	BABAR SANDHYA BALU	8669596726
2	RANAGE AMRUTA MARUTI	9112387975
3	MANE VIDHYA RAJARAM	7410731558
4	PATIL SADASHIV RAGENDRA	7744838876
5	PATIL HEMENT MARUTI	7798637403
6	MANE PRATIKSHA SAGAR	7057147597
7	SHEKH SOHEL HAMJAN	7620899701
8	JADHAV VIVEK JAYAVANT	7249848615
9	PATIL PRATHAMESH DATTATRAY	8698699699
10	GHORPADE NETRA AVINASH	9370806427
11	MORE SHWETA SANTOSH	9096390737
12	JADHAV SAYALI SUNIL	7057734774
13	KATAKE SAYALI KIRAN	9623713358
14	KUMBHAR RASIKA ANNASO	9322496700
15	GAVALI NIKITA SARJERAO	7972180304
16	NADAF SUNEHARA AYAJ	8208701305
17	JAMADAR NAMIRA SALIM	8600386268
18	JUGALE ANJALI MAHAVEER	9890166799
19	HILAJE SHARVARI SANJAY	8830454104
20	MULLANI AIESHA JAKIR	9096885393
21	MAHADHIK DISHA KAILAS	8625951779
22	CHOUGALE PRATIKSHA JAYSING	8999604077
23	GAIKWAD PRATIKSHA ASHOK	9503235877
24	BHISE ADITYA PRITAM	7350967389
25	PACHGAVKAR JAYDEEP TANAJI	7558640904
26	YADAV SHIVUKUMAR SUBHASH	9307564056
27	MANUVEL ROHAN RAJSHEKHAR	8600593853
28	SHIVATANKAR SHUBHAM ANANT	9960517358
29	KARANDE KRUSHANT SUNIL	9763923021
30	POWAR SWANAND BAJIRAO	7550717273
31	KADAM VIJAY SANJAY	9579751200
32	AARAD SURAJ NATHA	7263828260
33	BATE OMKAR RAJARAM	9022745552
34	BANDWAL AMAN SHABBIR	9604503398
35	MALAVI RUSHIKESH DEVAPPA	7507628370
36	KAMBLE SACHIN TATOBA	7709001546
37	PATIL TRUPTI SURESH	7066632830
38	PACHGAVKAR MAHESH TANAGI	9976270904
39	SASE RUTUJA RATAN	7083131261
40	ATIGRE SANYOGITA MAHDEV	7822049800
41	PATIL SANIKA SURYAKANT	9322456378
42	CHINDAKE ASHWINI SADASHIV	7709974473
43	KUMBHAR ARUNA SURESH	9767004096
44	WADKAR DIPALI DADASO	9146553410
45	ASAWALE VAISHNAVI DIPAK	9021298364

46	BHANDIGARE PRATHAM RAJENDRA	9325581160
47	PATIL SHON KRISHANT	9665048568
48	PATIL VISHWAJIT SUDHAKAR	7517227500
49	SONAR RAHUL SURESH	9730691476
50	GHORPADE AMRUTA BALOSO	7666816360
51	PATIL SAYALI SURESH	7517650202
52	BEJWADKAR EKTA SUNIL	9404240938
53	SALGAR NANDINI BALASO	7507173507
54	PATIL RAJVARDHAN ASHOK	9823562200
55	INGAWALE ROHINI ASHOK	9763159101
56	DEVATALE KARUNA KRISHANTH	9767018005
57	GAIKWAD NIKITA HAJANAN	8805697697
58	WARKE PRANJALI PANDURANG	9890737482
59	SAWANT SIDDHI AMAR	9022747044
60	JADHAV SAKSHI AVINASH	8624945380
61	POWAR ADITYA SHIVAJI	9172805050
62	DANGAT OMKAR GAJANAN	7558253813
63	KAMBLE GORAKH ANANT	9604566895
64	KAMBLE AKSHAY SAMBHAJI	9146805006
65	CHAVAN SAKSHI SUWARHSING	7058687576
66	PATIL HARSHVARDHAN ASHOK	9146459495
67	MHAPANKAR JYOSNA JITENDRA	9175721479
68	NANGARE SURENDRA BALAVANT	9767731564
69	PATIL SACHIN MADHUKAR	9689760747
70	DESAI HARSHVARDHAN SUBHASH	7410100739
71	MOLE SHEKHAR KRUSHNAT	9112719384
72	KUMBHAR PRAJAKTA SUHAS	8269962015
73	PATIL SHIVANI RAMCHANDRA	8552917848
74	MORE SAKSHI SANJAY	7517060064
75	KORE SOURABH PRAKASH	8600854068
76	PATIL VAISHNAVI VISHNU	9527206343
77	PAWAR RUTESH RAJENDRA	7022937834
78	SHINDE OMKAR DILIP	9075729776
79	BIRADAR SUSHANT NARSING	9764169447
80	GAJBAR SAIRAJ SANJAY	9423972857
81	GAIKWAD NIVEDITA BABASAHEB	9518725111
82	PATIL ANITA ANANDA	7058422324
83	PATIL AKSHAY MARUTI	9172585019
84	MUGUDE SUSHANT RAGHUNATH	8411994719
85	PATIL GOPINATH MAHADEV	7719944838
86	SASANE SUPRIYA SATAPPA	9890875145
87	DHANAVADE SUCHITRA BALASO	9665738631
88	BATUNGE RADHA BHARAT	8446023236
89	JADHAV ANKITA RAGHUNATH	9579087463
90	KAMBLE PRATHAMESH ASHOK	7798606332
91	KACCHI SUWEBA AKRAM	9096250433
92	KHAVARE POOJA SANTOSH	9552915326
93	PATIL DHANASHRI SASHIKANT	8459484108
94	PATIL AARTI PANDURANG	9503328418
95	PATIL SNEHAL SUDHAKAR	7741896276
96	TATAKARE VANDANA PRAKASH	9823332421
97	CHOUGULE PREVANA RAJU	9657986651
98	DEVANE VARSHA SHAHAJI	9075536611
99	KOLI RUGVEDA VIJAY	7620549225
100	GURAV PRASAD	9545559610
101	MANKAR SAJIVINI	9763421951
102		
103		

104***	BHOSALE ANIKET VILAS	
105	DESHMANE NIKITA VIKAYAK	9890622935
106	KOCHARGI DEEPA RAJU	7744086364
107	PATIL ANIL PRAKASH	9421658180/8275153580
108	PATIL RUSHIKESH SANJAY	9172348700
109	PATIL DHANASHRI SADASHIV	7378306864
110	KAMBLE KARNTI SUNIL	8208170897
111	PATIL PALLAVI BHIKAJI	8407965445
112	MOHITE POONAM HINDURAO	9359205240
113	CHOUGULE MINAKSHI SHRIKANT	9511933748
114	KUMBHAR KOMAL BHANUDAS	8412832640
115	LONDHE MADHAVI SUNIL	9112720213
116	GAIKWAD KSHITIJJI PRATAP	9579675864
117	BODAKE HARSHADA BAJIRAO	7588968009
118	SHIVDAS MAYURI MADHUKAR	9552285025
119	SHAIKH FIRDOUS ASLAM	9921719325
120	PATIL NIVAS	8482958814
		7676276785


 Coordinator CMLT/DMLT
 Vivekanand College,
 Kolhapur (Autonomous)

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
Diploma course in Medical Laboratory Technology (DMLT) (Batch -I)

UGC Recognized Career Oriented Course

SHIVAJI UNIVERSITY, KOLHAPUR

Academic year: 2021-2022

DMLT – Mark list (2021 - 2022)

Sr. No	Name of the student	Exam Seat no.	Mother's name	Theory				Practical			Total	Percentage	Result	Remark
				Anatomy and physio	Medical Biochem	Patho	Medical Microbio	Medical Biochem	Patho	Medical Microbio				
1	Aarade Suraj Natha	DM2101	Sunita	64	68	78	76	78	62	58	484	69.14	PASS	First class
2	Asawale Vaishnavi Dipak	DM2102	Savita	80	82	86	92	77	71	63	551	78.71	PASS	First class with dist.
3	Atigre Sanyogita Mahadev	DM2103	Rupali	66	72	90	90	67	63	62	510	72.86	PASS	First class
4	Babar Sandhya Balu	DM2104	Surekha	56	52	58	48	62	67	57	400	57.14	PASS	Second class
5	Bandwal Aman Shabbir	DM2105	Shabana	74	72	68	80	70	71	55	490	70.00	PASS	First class
6	Bate Omkar Rajaram	DM2106	Sunita	74	74	62	68	75	71	65	489	69.86	PASS	First class
7	Batunge Radha Bharat	DM2107	Shobha	64	70	62	66	76	80	60	478	68.29	PASS	First class
8	Bejwadkar Ekta Sunil	DM2108	Smita	66	64	56	58	67	70	48	429	61.29	PASS	First class
9	Bhandigare Pratham Rajendra	DM2109	Pratibha	76	68	82	64	63	73	51	477	68.14	PASS	First class
10	Bhise Aditya Pritam	DM2110	Dhanshree	74	80	68	78	62	59	44	465	66.43	PASS	First class
11	Bhosale Aniket Vilas	DM2111	-----	AB	AB	AB	AB	AB	AB	AB	AB	-----	-----	-----
12	Biradar Sushant Narsing	DM2112	Laxmi	84	80	86	76	71	68	65	530	75.71	PASS	First class with dist.

13	Bodake Harshada Bajirao	DM2113	Anita	64	72	82	68	77	69	64	496	70.86	PASS	First class
14	Chavan Sakshi Suwarnsing	DM2114	Swapnali	62	54	70	74	64	65	60	449	64.14	PASS	First class
15	Chindake Ashwini Sadashiv	DM2115	Vaishali	72	70	72	66	70	66	49	465	66.42	PASS	First class
16	Chougale Pratiksha Jaysing	DM2116	Manisha	64	52	62	50	64	65	49	406	58.00	PASS	Second class
17	Chougule Minakshi Shrikant	DM2117	Neeta	68	82	88	76	67	66	48	495	70.71	PASS	First class
18	Chougule Prerana Raju	DM2118	Manik	74	78	82	80	63	68	59	504	72.00	PASS	First class
19	Dangat Omkar Gajanan	DM2119	Sharada	86	86	84	82	65	53	59	515	73.57	PASS	First class
20	Desai Harshavardhan Subhash	DM2120	Savita	76	72	88	78	65	70	63	512	73.14	PASS	First class
21	Deshmane Nikita Vinayak	DM2121	Surekha	70	84	78	62	65	67	55	481	68.71	PASS	First class
22	Devane Varsha Shahaji	DM2122	Savita	66	50	72	82	67	68	57	462	66.00	PASS	First class
23	Devatale Karuna Krishanth	DM2123	Ranjana	78	82	84	92	51	55	50	492	70.28	PASS	First class
24	Dhanavade Suchitra Balaso	DM2124	Swati	72	62	74	78	52	48	46	432	61.71	PASS	First class
25	Gaikwad Pratiksha Ashok	DM2125	Radha	70	90	92	72	69	66	69	528	75.43	PASS	First class with dist.
26	Gaikwad Kshitiji Pratap	DM2126	-----	AB	AB	AB	AB	AB	AB	AB	AB	AB	-----	---
27	Gaikwad Nikita Gajanan	DM2127	Vidhya	52	48	48	52	52	59	44	355	50.71	PASS	Second class
28	Gaikwad Nivedita Babasaheb	DM2128	Shobha	56	62	72	76	65	69	55	455	65.00	PASS	First class
29	Gajbar Sairaj Sanjay	DM2129	Rohini	64	54	76	61	57	73	54	439	62.71	PASS	First class
30	Gavali Nikita Sarjerao	DM2130	Jayashree	74	68	88	74	68	69	52	493	70.43	PASS	First class
31	Ghorpade Amruta Balaso	DM2131	Anita	74	58	84	76	63	58	45	458	65.43	PASS	First class



32	Ghorpade Netra Avinash	DM2132	Ashwini	74	76	68	80	49	54	42	443	63.28	PASS	First class
33	Gurav Prasad Sanjay	DM2133	Indutai	76	72	66	78	62	45	50	449	64.14	PASS	First class
34	Hilage Sharvari Sanjay	DM2134	Sunita	74	76	66	76	62	48	55	457	65.28	PASS	First class
35	Ingawale Rohini Ashok	DM2135	Chhaya	72	70	84	80	74	46	50	476	68.00	PASS	First class
36	Jadhav Aishwarya Ajitkumar	DM2136	Arundhati	84	88	84	90	77	72	82	577	82.43	PASS	First class with dist.
37	Jadhav Ankita Raghunath	DM2137	Usha	74	72	80	84	72	71	70	523	74.71	PASS	First class
38	Jadhav Sakshi Avinash	DM2138	Swati	AB	66	58	64	62	65	57	372	53.14	FAIL	---
39	Jadhav Sayali Sunil	DM2139	Sonita	84	76	82	74	63	70	70	519	74.14	PASS	First class
40	Jadhav Vivek Jayavant	DM2140	Pushpa	66	70	78	78	60	53	50	455	65.00	PASS	First class

Gita
Dr. G. K. Sontakke
Coordinator CMLT/DMLT
Vivekanand College,
Kolhapur (Autonomous)

Pan
Dr. R. R. Kumbhar
PRINCIPAL
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)**Diploma course in Medical Laboratory Technology (DMLT) (Batch -II)**

UGC Recognized Career Oriented Course

SHIVAJI UNIVERSITY, KOLHAPUR

Academic year: 2021-2022

DMLT – Mark list (2021 - 2022)

Sr. No	Name of the student	Exam Seat no.	Mother's name	Theory				Practical			Total	Percentage	Result	Remark
				Anatomy and physio	Medical Biochem	Patho	Medical Microbio	Medical Biochem	Patho	Medical Microbio				
1	Jamadar Namira Salim	DM2141	Bebijan	70	84	76	70	50	49	49	448	64.00	PASS	First class
2	Jugale Anjali Mahaveer	DM2142	Sunita	78	90	96	90	72	61	78	565	80.71	PASS	First class with dist.
3	Kacchi Suweba Akram	DM2143	Naziya	80	72	80	74	73	54	79	512	73.14	PASS	First class.
4	Kadam Vijay Sanjay	DM2144	Pooja	76	82	78	88	68	57	63	512	73.14	PASS	First class
5	Kamble Sachin Tatoba	DM2145	Kamal	72	64	78	72	60	44	38	428	61.14	PASS	First class
6	Kamble Akshay Sambhaji	DM2146	Sharada	74	58	74	70	66	40	46	428	61.14	PASS	First class
7	Kamble Gorakh Anant	DM2147	Sakhubai	72	68	74	68	68	38	38	426	60.86	PASS	First class
8	Kamble Kranti Sunil	DM2148	Vaishali	70	66	72	70	73	61	76	488	69.71	PASS	First class
9	Kamble Prathamesh Ashok	DM2149	Nita	62	50	52	52	59	44	49	368	52.57	PASS	Second class
10	Karande Krushant Sunil	DM2150	Sulochna	70	52	76	62	52	47	46	405	57.86	PASS	Second class
11	Katake Sayali Kiran	DM2151	Deepali	80	46	48	54	69	51	55	403	57.57	PASS	Second class
12	Khavare Pooja Santosh	DM2152	Shubhangi	58	48	35	46	66	52	57	362	51.71	PASS	Second class
13	Kochargi Deepa	DM2153	-----	AB	AB	AB	AB	AB	AB	AB	---	---	AB	----

Raju	DM	Madhuri	74	60	80	80	80	65	51	58	468	66.86	PASS	First class
14 Koli Rugveda Vijay	DM2154	Madhuri	74	60	80	80	80	65	51	58	468	66.86	PASS	First class
15 Kore Sourabh Prakash	DM2155	Suvra	58	76	62	62	58	AB	AB	AB	254	36.29	FAIL	-----
16 Kumbhar Aruna Suresh	DM2156	Sunanda	72	76	72	68	68	68	52	53	461	65.86	PASS	First class
17 Kumbhar Komal Bhanudas	DM2157	Rekha	68	82	82	70	70	71	61	58	492	70.29	PASS	First class
18 Kumbhar Prajakta Suhas	DM2158	Poonam	78	70	84	74	74	66	55	59	486	69.43	PASS	First class
19 Kumbhar Rasika Annaso	DM2159	Savita	80	70	76	76	76	69	57	57	485	69.29	PASS	First class
20 Londhe Madhavi Sunil	DM2160	Sangita	66	74	72	68	68	75	50	60	465	66.43	PASS	First class
21 Mahadhik Disha Kailas	DM2161	Sima	64	58	60	50	50	65	60	56	413	59.00	PASS	Second class
22 Malavi Rushikesh Devappa	DM2162	Jayashri	72	72	74	84	84	70	66	60	498	71.14	PASS	First class
23 Mane Pratiksha Sagar	DM2163	Sarita	74	84	90	76	76	82	62	63	531	75.86	PASS	First class with dist.
24 Mane Vidhya Rajaram	DM2164	Suvarna	56	70	58	66	66	70	71	64	455	65.00	PASS	First class
25 Mankar Sanjivani Shivaji	DM2165	Sunita	72	78	70	62	62	71	71	55	479	68.43	PASS	First class
26 Manuvel Rohan Rajshekhar	DM2166	Yamuna	82	86	94	88	88	75	76	60	561	80.14	PASS	First class with dist.
27 Mhapankar Jyosna Jitendra	DM2167	Jyoti	60	66	82	60	60	72	61	63	464	66.29	PASS	First class
28 Mohite Poonam Hindurao	DM2168	Sangita	66	72	86	82	82	75	69	84	534	76.29	PASS	First class with dist.
29 Mohite Prerana Pravin	DM2169	Nandini	38	40	50	56	56	48	45	38	315	45.00	PASS	Second class
30 Mole Shekhar Krushnat	DM2170	Suvarna	78	72	86	76	76	65	41	40	458	65.43	PASS	First class
31 More Sakshi Sanjay	DM2171	Geeta	66	64	84	78	78	57	40	39	428	61.14	PASS	First class
32 More Shweta Santosh	DM2172	Sangeeta	72	74	74	80	80	69	49	40	458	65.43	PASS	First class
33 Mugude Sushant	DM2173	Kamal	72	74	76	72	72	55	52	40	441	63.00	PASS	First class

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
Diploma course in Medical Laboratory Technology (DMLT) (Batch -III)

UGC Recognized Career Oriented Course
 SHIVAJI UNIVERSITY, KOLHAPUR
 Academic year: 2021-2022

DMLT – Mark list (2021 - 2022)

Sr. No	Name of the student	Exam Seat no.	Mother's name	Theory				Practical				Total	Percentage	Result	Remark
				Anatomy and physio	Medical Biochem	Patho	Medical Microbio	Medical Biochem	Patho	Medical Microbio					
1	Patil Akshay Maruti	DM2181	Malan	76	82	74	90	56	55	40	473	67.57	PASS	First class	
2	Patil Anil Prakash	DM2182	Rani	78	86	80	78	54	52	40	468	66.86	PASS	First class	
3	Patil Anita Ananda	DM2183	Anandi	76	88	80	82	68	58	51	503	71.86	PASS	First class	
4	Patil Dhanashri Sadasiv	DM2184	Shakuntala	82	80	86	90	74	70	68	550	78.57	PASS	First class with dist.	
5	Patil Dhanashri Sashikant	DM2185	Nita	78	78	84	80	70	72	70	532	76.00	PASS	First class with dist.	
6	Patil Harshvardhan Ashok	DM2186	Ashvini	70	76	82	82	63	55	50	478	68.29	PASS	First class	
7	Patil Hemant Maruti	DM2187	Vaishali	54	72	AB	46	AB	AB	AB	172	24.57	FAIL	---	
8	Patil Pallavi Bhikaji	DM2188	Lakshmi	64	74	72	68	60	52	50	440	62.86	PASS	First class	
9	Patil Prathamesh Dattatray	DM2189	Savita	68	66	80	82	67	69	56	488	69.71	PASS	First class	
10	Patil Rajvardhan Ashok	DM2190	Ashvini	70	70	80	82	59	54	53	468	66.86	PASS	First class	
11	Patil Rushikesh Sanjay	DM2191	Dhanshree	78	80	82	82	76	50	54	502	71.71	PASS	First class	
12	Patil Sachin Madhukar	DM2192	Ranjana	76	80	74	82	74	51	48	485	69.29	PASS	First class	
13	Patil Sadasiv Rajendra	DM2193	Sangita	76	64	64	74	79	55	53	465	66.43	PASS	First class	
14	Patil Sanika Suryakant	DM2194	Sunita	78	66	74	66	76	46	52	458	65.43	PASS	First class	
15	Patil Sayali Suresh	DM2195	Shobha	74	60	84	76	80	60	57	491	70.14	PASS	First class	

16	Patil Shivani Ramchandra	DM2196	Savita	66	54	66	68	76	50	61	441	63.00	PASS	First class
17	Patil Shon Krishnat	DM2197	Sharada	76	80	76	70	79	48	47	476	68.00	PASS	First class
18	Patil Snehal Sudhakar	DM2198	Rupali	82	78	88	90	71	58	65	532	76.00	PASS	First class with dist.
19	Patil Trupti Suresh	DM2199	Sunita	76	84	88	82	69	50	64	513	73.29	PASS	First class
20	Patil Vaishnavi Vishnu	DM21100	Shubhangi	66	62	52	56	72	49	51	408	58.29	PASS	Second class
21	Patil Vishwajit Sudhakar	DM21101	Sampada	76	80	76	68	75	44	48	467	66.71	PASS	First class
22	Pawar Ritesh Rajendra	DM21102	Savita	70	62	62	60	61	50	50	415	59.29	PASS	Second class
23	Powar Aditya Shivaji	DM21103	Kamal	76	72	80	66	57	51	50	452	64.57	PASS	First class
24	Powar Swahand Bajirao	DM21104	Vidya	78	78	92	80	73	53	49	503	71.86	PASS	First class
25	Ranage Amruta Maruti	DM21105	Mangal	78	80	78	64	64	50	55	469	67.00	PASS	First class
26	Salgar Nandini Balaso	DM21106	Shalan	64	64	72	66	67	51	51	435	62.14	PASS	First class
27	Sasane Supriya Satappa	DM21107	-----	AB	AB	AB	AB	AB	AB	AB	-----	-----	AB	-----
28	Sase Rutuja Rajan	DM21108	Vidhya	76	70	78	66	55	51	47	443	63.29	PASS	First class
29	Sawant Siddhi Amar	DM21109	Vinaya	68	82	84	60	62	45	47	448	64.00	PASS	First class
30	Shaikh Firdos Aslam	DM21110	Rabiya	74	82	74	80	62	52	48	472	67.43	PASS	First class
31	Shekh Sohel Hamjan	DM21111	Jamila	80	70	58	74	66	52	50	450	64.29	PASS	First class
32	Shinde Omkar Dilip	DM21112	Shila	82	84	64	70	60	51	48	459	65.57	PASS	First class
33	Shivatankar Shubham Anant	DM21113	Anita	84	76	96	84	71	50	48	509	72.71	PASS	First class
34	Shivdas Mayuri Madhukar	DM21114	Mina	68	86	88	74	73	59	50	498	71.14	PASS	First class
35	Sonar Rahul Suresh	DM21115	Shanta	78	80	74	58	72	56	45	463	66.14	PASS	First class
36	Tatakare Vandana Prakash	DM21116	Sulochana	62	78	66	54	70	55	50	435	62.14	PASS	First class
37	Patil Nivas Krushnat	DM21117	Shital	68	78	82	62	69	49	49	457	65.29	PASS	First class

	Wadkar Dipali Dadaso	DM21118	Kalpurna	62	68	66	66	67	50	44	423	60.42	PASS	First class
38	Wadkar Dipali Dadaso	DM21118	Kalpurna	62	68	66	66	67	50	44	423	60.42	PASS	First class
39	Warke Pranjali Pandurang	DM21119	Ujjwala	46	42	62	64	70	51	44	379	54.14	PASS	Second class
40	Yadav Shivkumar Subhash	DM21120	Alkatni	58	66	68	52	54	45	47	390	55.71	PASS	Second class

Gitar

Dr. G. K. Sontakke

Coordinator CMLT/DMLT
Vivekanand College,
Kolhapur (Autonomous)

Pur

Dr. R. R. Kumbhar

PRINCIPAL
Vivekanand College
Kolhapur



[स्वायत्त] कोल्हापूर

20
" ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार"
- शिक्षणमहर्षी डॉ. बापूजी साळुंखे

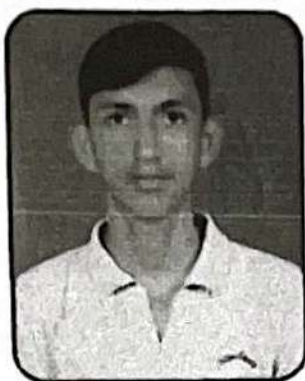
Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR. (AUTONOMOUS)

(Affiliated To Shivaji University, Kolhapur)



Certificate of Passing



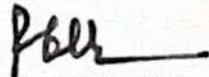
This is to Certify that : Desai Harshavardhan Subhash

Mother's Name : Savita

has Passed the University Grant Commission (UGC) Recognized Certificate Course in "Diploma in Medical Laboratory Technology (DMLT)" Examination in **First Class** in the month of August, academic year 2021-22. In Testimony Where of are set the seal of the University, College and Signatures of the Coordinator and Principal of the College.


Dr. G. K. Sontakke
Coordinator CMLT/DMLT
Vivekanand College,
Kolhapur (Autonomous)


Seal of Concerned College


Dr. R. R. Kumbhar
PRINCIPAL
Vivekanand College,
Kolhapur


Seal of University



॥ ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार ॥

- शिक्षणमहर्षी डॉ. बापूजी साळुंखे



श्री स्वामी विवेकानंद शिक्षण संस्था, कोल्हापूर

विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त)

• **विदेशी भाषा विभाग** •

विदेशी भाषा शिक्षा

आपल्या करिअर संधी वाढवा.



अ.क्र.	अभ्यासक्रम	कालावधी	शुल्क रू.
१	सर्टिफिकेट कोर्स इन जर्मन	३ महिने	२,०००/-
२	सर्टिफिकेट कोर्स इन जपानी	३ महिने	२,०००/-

प्रवेश अर्हता

- ▶ प्रवेश सर्वांसाठी खुला आहे. इ. १२वी उत्तीर्ण.
- ▶ इतर अभ्यासक्रम व नोकरी करणाऱ्यांनाही प्रवेश घेता येतो.
- ▶ विभागीय ग्रंथालय व इतर साधने उपलब्ध.
- ▶ तज्ञ भाषा शास्त्रज्ञांचे मार्गदर्शन.
- ▶ रोजगार संबंधित कौशल्याची शाश्वती.
- ▶ परदेशी नोकरी संदर्भात मार्गदर्शन.



- संपर्क -

डॉ. कविता तिवडे 9049507535

डॉ. श्रुती जोशी 9421128497

प्राचार्य

डॉ. आर.आर. कुंभार

प्रवेश अंतिम दिनांक - १५ नोव्हेंबर २०२१

वेळ - सकाळी ९ ते दुपारी १२.३०

स्थळ - रूम नं. २८



“Education for Knowledge, Science and Culture.”

-Shikshanmaharshi Dr.Bapuji Salunkhe

**Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)**

‘The Centre for Foreign Language Study’

Organizes

“A Certificate Course in Basic French Language”



Resource Person:- Ms. Amaira Adwani
(French Tutor)

Objectives:-

- To acquire good basic knowledge of French.
- To introduce in French.
- To understand basic phrases and expressions of day to day use in French.
- To read and write simple phrases and sentences in French.
- To acquaint to the students to career opportunities available in French

Language

Organizers:-

Dr. Kavita Tiwade

(Coordinator,

The Centre for Foreign Language Study)

(9049507535)

Dr. Shruti Joshi

(Coordinator,

IQAC)

Dr.R.R.Kumbhar

(Principal,

Vivekanand College,Kolhapur. (Autonomous))

Duration:- 15th February to 15th March 2022

Platform:- Google Meet

Link of the course will be shared in the WhatsApp group

Certificate will be provided after completion of the course

Vivekanand College, Kolhapur (Autonomous)
Center for foreign Languages
Introduced from June, 2021 onwards
A1 Level German Course

Course Outcomes:

After completion of the course the students will be able to:

- formulate grammatically correct sentences in German Language .
- improve their language skills in German both in terms of fluency and comprehensibility
- speak and write effectively using correct vocabulary in German.
- Job opportunities worldwide .

Syllabus for A1:

Module I : Numbers ,Months ,Weekdays ,Vocabulary

Module II : Sentence Creation

Module III: Self Introduction ,To Introduce others

Module IV : Emails ,Letter writing ,Grammar ,to read and understand texts

Module V: Listening Exercise

Module VI : Writing and Reading in German

Division of Teaching: 6 Modules X 120 hours

Reference Book: Netzwerk neu A1

Vivekanand College, Kolhapur (Autonomous)
Centre of Foreign Languages
German A1 Level Course 2021-22

SR. NO.	NAME OF THE STUDENT
1	SHAHAJAN JAMADAR FROJ
2	CHOUGALE SANIKA ANIL
3	SHELAKA JAYUMAR
4	KALE HARSHADA JAGANNATH
5	RAJAPUT VAISHNAVI SACHIN
6	GADE PRANALI CHANDRANKAT
7	DESAI KRUTIKA SUBHASH
8	KUKADE SNEHAL NIVRUTTI
9	GONGANE SANIKA RAJENDRA
10	PETAKAR VASHNAVI MANE
11	BODARE RIDDI SHASHIKANT
12	TURUKE NEHA SARJEWRAO
13	PATIL MANGESH BANDA
14	PATIL ROHIT RAMESH
15	SUTAR ANIKET RAMCHANDRA
16	PATIL SUPARSHAV RAVINDRA
17	PATHAN SANIYA ASLAM
18	PARIHAR BHAKTI PANNALAL
19	SHINDE VASHNAVI SANJYA
20	NAKIL SANIKA VIJAY
21	SARNOBAT PRIYDRSHANI SHIVAJI
22	POWAR RADHIKA SANDEEP
23	KODGULE AISHWARYA SHRIRAM
24	KUDACHIKAR JUVERIYA ASIF
25	DOLARE AAKENKSHA HNUMANT
26	POWAR SEJAL ANAND
27	WARUNKAR ABADUL RAJKADAM
28	BEHERE ATHARV VISHNU
29	LELE RAJWARDHAN NINITIN
30	MORE OMKAR RAVSAHEB
31	SURVASE VAIBHV MARUTI
32	PATIL ADITYA PRAMOD
33	GAUTAM SANCHI RAHU
34	SAWANT PRANALI PRASHANT
35	POTDAR SWARALI BHARAT
36	MARLE AKANKSHA AMIT
37	PATIL PRADEEP BALIRAM
38	BATUNGE MANISH MUNESH
39	BIRTE ABHISHEK LAXMAN
40	WAKHAREKER HARSHVI ABHIJIT
41	PATIL PRITI SURESH
42	MARDANE ANUSHKA PRABHAKAR
43	KADAM RADHIKA SUSHIL

44	PATIL PRATHMESH JAGANATH
45	PARAB SHRUTI GANESH
46	OMASE ANUSHKA ARUN
47	SUTAR SAVARI ARUN
48	WINGAKAR SAKSHI SANJYA
49	BHOSALE DEVIKA RAMACHNDRA
50	MAGADUM MEGHA VISHNU
51	MAGADUM SHRAVANI KRUSHNTA
52	DIVASE TANVI DEVENDRA
53	SHINDE SHRIVARDHAN BABASAHEB
54	ANEKAR VIJAY RAJENDRA
55	CHOTHE SAKSHI NANDAKUMAR
56	JADHAV PRACHI SANJAY
57	KORGAONKAR SAKSHI SHIVRAJ
58	DESAI SHRENIK UDAY
59	KAREKAR ARYAN CHETAN
60	GHORPADE RUPCHAND DEEPAK
61	SHELOK SIDDHI PRABHAKAR
62	TADWALE AAROHI ANIL
63	POTDAR MRUNALI VIVEK
64	GHULE POONAM MANIK
65	KAMBLE HARSHA BABASO

Dr. Kavita Tiwade



Coordinator



"Education for Knowledge, Science and Culture."

-Shikshanmaharshi Dr.Bapuji Salunkhe

**Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)**

**'The Centre for Foreign Language Study'
Organizes**

"A Certificate Course in Basic French Language"



**Resource Person:- Ms. Amaira Adwani
(French Tutor)**

Objectives:-

- To acquire good basic knowledge of French.
- To introduce in French.
- To understand basic phrases and expressions of day to day use in French.
- To read and write simple phrases and sentences in French.
- To acquaint to the students to career opportunities available in French

Language

Organizers:-

Dr. Kavita Tiwade

(Coordinator,

The Centre for Foreign Language Study)

(9049507535)

Dr. Shruti Joshi

(Coordinator,

IQAC)

Dr.R.R.Kumbhar

(Principal,

Vivekanand College,Kolhapur. (Autonomous))

Duration:- 15th February to 15th March 2022

Platform:- Google Meet

Link of the course will be shared in the WhatsApp group

Certificate will be provided after completion of the course

Vivekanand College, Kolhapur (Autonomous)
Centre for Foreign Languages (15th Feb to 15th March 2022)

Basic Course in French Language

SR. NO.	Name of Students
1	Dhairyasheel Sawant
2	Seema Mali
3	Akshata Hurkadli
4	Deepali Desai
5	Akanksha Desai
6	Manoj Gurav
7	Jitendra Bharamgonda
8	Suvarna Dhanawade
9	Rahul Mane
10	Alpana Patil
11	Rushi Dongare
12	Devyani Patil
13	Mustakim Takildar
14	Sunil Bidre
15	Siddhi Pandharpatte
16	Sanjay Patole
17	Sejal Shinde
18	Nelson Bardeskar
19	Prajakta Bote
19	Siddika Firojkhan
20	Rajashree Patil
21	Shivraj Mali
22	Nelson Jeron Bardeskar
23	Akshata Hurkadli
24	Sandip Jaggi



Dr. Kavita Tiwade
Coordinator