

VIVEKANAND COLLEGE (AUTONOMOUS),
KOLHAPUR
DEPARTMENT OF BIOTECHNOLOGY,



BIOTECH

Add On Course
“VAD 1611 Instrumentation Course
in Life Sciences”

Department of Biotechnology
Vivekanand College, Kolhapur (Autonomous)

Date: 06/09/2022

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 2022-2023. It is requested to allow us to start the value added course for this year in two batches A and B as the number of students applying is in large number.

Thanking You,

Yours Faithfully

Allowed
Pr
06-09-2022




Mr A.L. Upadhye
COORDINATOR
ADD-ON COURSE
DEPARTMENT OF BIOTECHNOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Vivekanand College, Kolhapur (Autonomous)

Department of Biotechnology (Entire)

Add-on course - 2022-2023

“Instrumentation Course in Life Sciences”

Date: 14/09/2022

Notice

All students of B.Sc-I are hereby informed that Department of Biotechnology, Vivekanand College, Kolhapur is conducting Add-On course on “Instrumentation Course in Life Sciences”. Interested students are requested to enroll till 21/09/2022. The seats available are limited and students will be admitted on first come first serve basis.



Co-ordinator

CO-ORDINATOR
ADD-ON COURSE

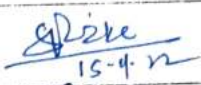



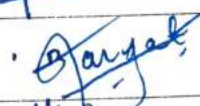
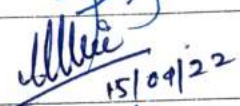
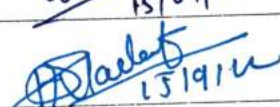

DEPARTMENT OF BIOTECHNOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



Principal

Vivekanand College
Kolhapur

Department of Biotechnology
Add-on Course 2022-23
"Instrumentation course in Life Sciences"

Sr. No.	Name Of Department	Sign
1.	Chemistry	 15-4-22
2.	Physics	
3.	Botany	
4.	Zoology	
5.	Botany	
6.	Microbiology	 15/09/22
7.	Biotech (optional)	 15/9/22
8.	Biotech (Entire)	


15/09/22

Department of Biotechnology

Vivekanand College, Kolhapur (Autonomous)

Date:-28/03/2023

To,

The Principal

Vivekanand College, Kolhapur

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

Respected Sir,

The Add- On Course of Department of Biotechnology "**VAD- 1611-Instrumentation Course in Life Sciences**" as approved by academic council is to commence for the 2nd Session of the Academic year 2022-2023. 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



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Head

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Head

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

[Handwritten signature]

Mr A.L.Upadhye

~~Coordinator~~
ADD-ON COURSE

DEPARTMENT OF BIOTECHNOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

[Handwritten signature]
31/3/2023

Allowed

[Handwritten signature]
31-3-2023

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

DEPARTMENT OF BIOTECHNOLOGY

ADD-ON COURSE (2022-23) 2ND SESSION

“VAD -1611 INSTRUMENTATION COURSE IN LIFE SCIENCES”

Notice

All the students of B.Sc are hereby informed that Department of Biotechnology, Vivekanand College, Kolhapur is conducting Add-on course (2022-23) 2nd Session “VAD -1611 Instrumentation Course in Life Sciences”. Interested students are requested to enroll themselves till 08/04/2023. The seats are limited and students will be admitted on first come first serve basis.



Co-ordinator
CO-ORDINATOR
ADD-ON COURSE
DEPARTMENT OF BIOTECHNOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



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



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



"Education for Knowledge, Science and Culture"

Shikshan Maharishi Dr Bapuji Salunkhe



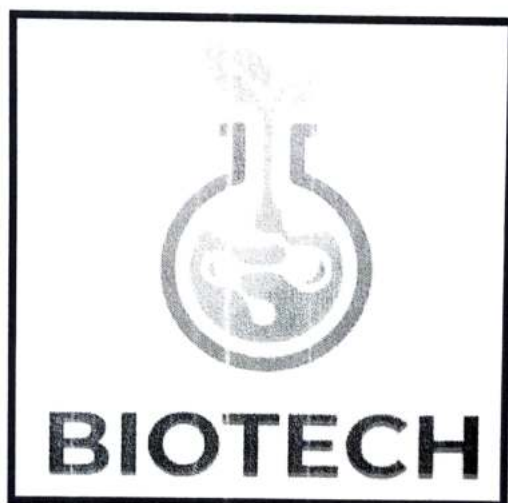
VIVEKANAND COLLEGE, KOLHAPUR

(AUTONOMOUS)

DEPARTMENT OF BIOTECHNOLOGY

Add On Course-2022-23

"VAD 1611 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



BIOTECH

DEPARTMENT OF BIOTECHNOLOGY,
VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR
“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

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.

Unit V

Instruments for Plant Tissue Culture: Principle, working & application

Hot Plate, Laminar Air Flow, Rotatory Shaker, Cell Counter, Ph Meter, Culture Room

Practical for "Instrumentation Course in Life Sciences"

Sr. No.	Name of the Practical	Practicals 12
1	Demonstration of Dialysis	1
2	Demonstration of Chromatography(TLC, Paper, Gel filtration)	1
3	Demonstration of Spectrophotometer	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 demonstration	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
- 8) Molecular Biology by Russel

"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
 - Research institutions
 - Clinical testing labs
- **Immunoassay**
 - Hospitals
 - Clinical laboratories
 - Blood bank
 - 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)

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR


DEPARTMENT OF BIOTECHNOLOGY

Teaching Faculty for

“VAD -1611 INSTRUMENTATION COURSE IN LIFE SCIENCES”

Sr No.	Name	Post
1	Mr. A. L. Upadhye	Co-ordinator
2	Mr. S.G.Kulkarni	Staff
3	Mrs. S.B. Mulla	Staff
4	Mrs. S.S. Patil	Staff
5	Mrs. M. S. Patil	Staff
6	Ms. J.J.Gavandi	Staff
7	Ms. V.B. Kankekar	Staff
8	Ms A.A. Jadhav	Staff
9	Ms V.N.Arekar	Staff




Mr. A.L.Upadhye
(Co-ordinator)
ADD ON COURSE
DEPARTMENT OF BIOTECHNOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AND AUTONOMOUS)

Vivekanand College Kolhapur (Autonomous)
COC Add On Course Biotechnology Department List 2022-23

Teacher : Miss. Vaishnavi . B. Kanekar.

Sr.No.	Name Of Students	Class	11/03	13/03	14/03	15/03	16/03	17/03	18/03	20/03	21/03	23/03	24/03
1*	BHAMBURE SHRAVANI KAILAS	Biotech I	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani
2*	Adav Prachi Jotiba	Biotech II	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi
3*	AWATE GAYATRI ANIL	Biotech (Opt) I	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri
4*	BAWADEKAR SHRUTIKA ANANT	Biotech I	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika
5*	BIRJE TRIVENI PUNDALIK	Biotech I	Triveni	Triveni	Triveni	Triveni	Triveni	Triveni	Triveni	Triveni	Triveni	Triveni	Triveni
6	BORGAVE RITESH MAHAVIR	Biotech I	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh
7*	CHAVAN RUTUJA RAJESH	Biotech III	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
8*	CHIKALKAR SHRUTI NITIN	Biotech I	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
9	CHOUGULE KSHITI JAGANNATH	Biotech III	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti
10*	DHAVAN VAISHNAVI SANTOSH	Biotech I	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi
11*	EKSHINGE VRUSHALI SHIVAJI	Biotech I	Vrushali	Vrushali	Vrushali	Vrushali	Vrushali	Vrushali	Vrushali	Vrushali	Vrushali	Vrushali	Vrushali
12*	GURAV ISHA JAGDISH	Biotech I	Isha	Isha	Isha	Isha	Isha	Isha	Isha	Isha	Isha	Isha	Isha
13*	Hadgal Rutuja Tanaji	Biotech II	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
14*	Hikadi Arati Ravindra	Biotech II	Arati	Arati	Arati	Arati	Arati	Arati	Arati	Arati	Arati	Arati	Arati
15*	JADHAV SANIKA SAMBHAJI	Biotech I	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika
16*	JOSHI SHAMBHAVI DHANANJAY	Biotech I	Shambhavi	Shambhavi	Shambhavi	Shambhavi	Shambhavi	Shambhavi	Shambhavi	Shambhavi	Shambhavi	Shambhavi	Shambhavi
17	KALEL ARVIND BHOJA	Biotech I	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind
18*	KAMBALE SANIKA SANJAY	Biotech (Opt) I	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika
19*	Kamble Anushka Sandip	Biotech II	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka
20	KAMBLE DIGAMBAR GUNDA	Biotech (Opt) III	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar
21	KAMBLE PRATIK DASHRATH	Biotech I	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
22*	Kamble Seema Shivaji	Biotech II	Seema	Seema	Seema	Seema	Seema	Seema	Seema	Seema	Seema	Seema	Seema
23*	KASHID DHANSHRI UTTAM	Biotech (Opt) I	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri
24*	KAZI SADIYA ZAKIRHUSEN	Biotech (Opt) I	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya
25	KOSHTI SHRIDHAR SHRIKANT	Biotech III	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar
26	KUCHEKAR SWAPNIL BAPU	Biotech (Opt) I	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil
27	KUMBHAR MANISH BABASO	Biotech I	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish
28*	KUNDALE SHRUTI MILIND	Biotech (Opt) I	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
29*	KURUD KRISHNA GAJANAN	Biotech I	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna
30	KUTE AJAY DADASAHEB	Biotech I	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
31*	Lavhate Prachi Suresh	Biotech II	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi
32*	MAHIND SAMRUDHI SANJAY	Biotech I	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi
33*	MANDEKAR RUTUJA MHATARU	Biotech (Opt) I	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
34*	MESTRI SOPHIYA SALEEM	Biotech I	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya

*Yashvardhan. M. Kawalkar Biotech 7

(Handwritten signatures and marks at the bottom of the page)

Vivekanand College Kolhapur (Autonomous)
COC Add On Course Biotechnology Department List 2022.23

Teacher Jasmine J. Gavandi

Sr.No.	Name Of Students	Class	25/2	27/2	29/2	31/2	11/2	13/2	14/2	11/2	17/2
1*	BHAMBURE SHRAVANI KAILAS	Biotech I	Shr	Shr	Shr	Shr	Shr	Shr	Shr	Shr	Shr
2*	Adav Prachi Jotiba	Biotech II	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi
3*	AWATE GAYATRI ANIL	Biotech (Opt) I	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri
4*	BAWADEKAR SHRUTIKA ANANT	Biotech I	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika
5*	BIRJE TRIVENI PUNDALIK	Biotech I	Birje	Birje	Birje	Birje	Birje	Birje	Birje	Birje	Birje
6*	BORGAVE RITESH MAHAVIR	Biotech I	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh
7*	CHAVAN RUTUJA RAJESH	Biotech III	R	R	R	R	R	R	R	R	R
8*	CHIKALKAR SHRUTI NITIN	Biotech I	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
9*	CHOUGULE KSHITI JAGANNATH	Biotech III	K	K	K	K	K	K	K	K	K
10*	DHAVAN VAISHNAVI SANTOSH	Biotech I	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
11*	EKSHINGE VRUSHALI SHIVAJI	Biotech I	VR	VR	VR	VR	VR	VR	VR	VR	VR
12*	GURAV ISHA JAGDISH	Biotech I	Isha	Isha	Isha	Isha	Isha	Isha	Isha	Isha	Isha
13*	Hadgal Rutuja Tanaji	Biotech II	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
14*	Hikadi Arati Ravindra	Biotech II	Arati	Arati	Arati	Arati	Arati	Arati	Arati	Arati	Arati
15*	JADHAV SANIKA SAMBHAJI	Biotech I	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika
16*	JOSHI SHAMBHAVI DHANANJAY	Biotech I	Shambhavi	Shambhavi	Shambhavi	Shambhavi	Shambhavi	Shambhavi	Shambhavi	Shambhavi	Shambhavi
17*	KALEL ARVIND BHOJA	Biotech I	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind
18*	KAMBALE SANIKA SANJAY	Biotech (Opt) I	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika
19*	Kamble Anushka Sandip	Biotech II	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka
20*	KAMBLE DIGAMBAR GUNDA	Biotech (Opt) III	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble
21*	KAMBLE PRATIK DASHRATH	Biotech I	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
22*	Kamble Seema Shivaji	Biotech II	Seema	Seema	Seema	Seema	Seema	Seema	Seema	Seema	Seema
23*	KASHID DHANSHRI UTTAM	Biotech (Opt) I	Dhanashri	Dhanashri	Dhanashri	Dhanashri	Dhanashri	Dhanashri	Dhanashri	Dhanashri	Dhanashri
24*	KAZI SADIYA ZAKIRHUSEN	Biotech (Opt) I	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya
25*	KOSHTI SHRIDHAR SHRIKANT	Biotech III	S	S	S	S	S	S	S	S	S
26*	KUCHEKAR SWAPNIL BAPU	Biotech (Opt) I	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil
27*	KUMBHAR MANISH BABASO	Biotech I	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish
28*	KUNDALE SHRUTI MILIND	Biotech (Opt) I	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
29*	KURUD KRISHNA GAJANAN	Biotech I	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna
30*	KUTE AJAY DADASAHEB	Biotech I	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
31*	Lavhate Prachi Suresh	Biotech II	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi
32*	MAHIND SAMRUDHI SANJAY	Biotech I	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi
33*	MANDEKAR RUTUJA MHATARU	Biotech (Opt) I	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
34*	MESTRI SOPHIYA SALEEM	Biotech I	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya

Yashwantrao Chavan Pratishthan

Biotech I

Shruti

Prachi

Gayatri

Shrutika

Birje

Ritesh

R

Shruti

Vivekanand College Kolhapur (Autonomous)
COC Add On Course Biotechnology Department List 2022-23

Teacher: Mr. Ashutosh L. Upadhye.

Sr.No.	Name Of Students	Class	16/11/22	17/11	18/11	19/11/22	21/22/22	23/11/22	24/11	25/11	26/11/22	28/11	29/11
1*	BHAMBURE SHRAVANI KAILAS	Biotech I	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani
2*	Adav Prachi Jotiba	Biotech II	Adav	Adav	Adav	Adav	Adav	Adav	Adav	Adav	Adav	Adav	Adav
3*	AWATE GAYATRI ANIL	Biotech (Opt) I	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri
4*	BAWADEKAR SHRUTIKA ANANT	Biotech I	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar
5*	BIRJE TRIVENI PUNDALIK	Biotech I	Birje	Birje	Birje	Birje	Birje	Birje	Birje	Birje	Birje	Birje	Birje
6	BORGAVE RITESH MAHAVIR	Biotech I	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave
7*	CHAVAN RUTUJA RAJESH	Biotech III	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan
8*	CHIKALKAR SHRUTI NITIN	Biotech I	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar
9	CHOUGULE KSHITIJ JAGANNATH	Biotech III	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule
10*	DHAVAN VAISHNAVI SANTOSH	Biotech I	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan
11*	EKSHINGE VRUSHALI SHIVAJI	Biotech I	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge
12*	GURAV ISHA JAGDISH	Biotech I	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav
13*	Hadgal Rutuja Tanaji	Biotech II	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal
14*	Hikadi Arati Ravindra	Biotech II	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi
15*	ADHAV SANIKA SAMBHAJI	Biotech I	Adhav	Adhav	Adhav	Adhav	Adhav	Adhav	Adhav	Adhav	Adhav	Adhav	Adhav
16*	JOSHI SHAMBHAVI DHANANJAY	Biotech I	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi
17	KALEL ARVIND BHOJA	Biotech I	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel
18*	KAMBALE SANIKA SANJAY	Biotech (Opt) I	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
19*	Kamble Anushka Sandip	Biotech II	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
20	KAMBLE DIGAMBAR GUNDA	Biotech (Opt) III	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble
21	KAMBLE PRATIK DASHRATH	Biotech I	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
22*	Kamble Seema Shivaji	Biotech II	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
23*	KASHID DHANSHRI UTTAM	Biotech (Opt) I	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid
24*	KAZI SADIYA ZAKIRHUSEN	Biotech (Opt) I	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi
25	KOSHTI SHRIDHAR SHRIKANT	Biotech III	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti
26	KUCHEKAR SWAPNIL BAPU	Biotech (Opt) I	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar
27	KUMBHAR MANISH BABASO	Biotech I	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar
28*	KUNDALE SHRUTI MILIND	Biotech (Opt) I	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale
29*	KURUD KRISHNA GAJANAN	Biotech I	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud
30	KUTE AJAY DADASAHEB	Biotech I	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute
31*	Lavhate Prachi Suresh	Biotech II	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate
32*	MAHIND SAMRUDHI SANJAY	Biotech I	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind
33*	MANDEKAR RUTUJA MHATARU	Biotech (Opt) I	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar
34*	MESTRI SOPHIYA SALEEM	Biotech I	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri

Vashuwar chandrashekhar atikar Biotech 2

Vivekanand College Kolhapur (Autonomous)
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Teacher: Vaishnavi .N. Arekar.

Sr.No.	Name Of Students	Class	16/11	17/11 18/11	19/11	21/11	22/11	23/11 24/11	25/11	26/11 28/11
1*	BHAMBURE SHRAVANI KAILAS	Biotech I	Shra	Shra	Shra	Shra	Shra	Shra	Shra	Shra
2*	Adav Prachi Jotiba	Biotech II	Adav	Adav	Adav	Adav	Adav	Adav	Adav	Adav
3*	AWATE GAYATRI ANIL	Biotech (Opt) I	Gawate	Gawate	Gawate	Gawate	Gawate	Gawate	Gawate	Gawate
4*	BAWADEKAR SHRUTIKA ANANT	Biotech I	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar
5*	BIRJE TRIVENI PUNDALIK	Biotech I	Birje	Birje	Birje	Birje	Birje	Birje	Birje	Birje
6	BORGAVE RITESH MAHAVIR	Biotech I	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave
7*	CHAVAN RUTUJA RAJESH	Biotech III	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan
8*	CHIKALKAR SHRUTI NITIN	Biotech I	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar
9	CHOUGULE KSHITIJ JAGANNATH	Biotech III	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule
10*	DHAVAN VAISHNAVI SANTOSH	Biotech I	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan
11*	EKSHINGE VRUSHALI SHIVAJI	Biotech I	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge
12*	GURAV ISHA JAGDISH	Biotech I	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav
13*	Hadgal Rutuja Tanaji	Biotech II	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal
14*	Hikadi Arati Ravindra	Biotech II	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi
15*	JADHAV SANIKA SAMBHAJI	Biotech I	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
16*	JOSHI SHAMBHAVI DHANANJAY	Biotech I	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi
17	KALEL ARVIND BHOJA	Biotech I	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel
18*	KAMBALE SANIKA SANJAY	Biotech (Opt) I	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
19*	Kamble Anushka Sandip	Biotech II	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
20	KAMBLE DIGAMBAR GUNDA	Biotech (Opt) III	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble
21	KAMBLE PRATIK DASHRATH	Biotech I	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
22*	Kamble Seema Shivaji	Biotech II	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
23*	KASHID DHANSHRI UTTAM	Biotech (Opt) I	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid
24*	KAZI SADIYA ZAKIRHUSEN	Biotech (Opt) I	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi
25	KOSHTI SHRIDHAR SHRIKANT	Biotech III	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti
26	KUCHEKAR SWAPNIL BAPU	Biotech (Opt) I	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar
27	KUMBHAR MANISH BABASO	Biotech I	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar
28*	KUNDALE SHRUTI MILIND	Biotech (Opt) I	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale
29*	KURUD KRISHNA GAJANAN	Biotech I	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud
30	KUTE AJAY DADASAHEB	Biotech I	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute
31*	Lavhate Prachi Suresh	Biotech II	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate
32*	MAHIND SAMRUDHI SANJAY	Biotech I	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind
33*	MANDEKAR RUTUJA MHATARU	Biotech (Opt) I	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar
34*	MESTRI SOPHIYA SALEEM	Biotech I	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri

Yashwanthdhan .p. vaishnavi

Biotech Z

Yashwanthdhan .p. vaishnavi

Sr.No.	Name Of Students	Class	25/10/23	27/10/28/0	31/01	01/12/02/12	03/02	04/02/02	07/02	08/02/09/02
1*	BHAMBURE SHRAVANI KAILAS	Biotech I	Shra	Shra	Shra	Shra	Shra	Shra	Shra	Shra
2*	Adav Prachi lotiba	Biotech II	Pradv	Pradv	Pradv	Pradv	Pradv	Pradv	Pradv	Pradv
3*	AWATE GAYATRI ANIL	Biotech (Opt) I	Gawate	Gawate	Gawate	Gawate	Gawate	Gawate	Gawate	Gawate
4*	BAWADEKAR SHRUTIKA ANANT	Biotech I	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar
5*	BIRJE TRIVENI PUNDALIK	Biotech I	Birje	Birje	Birje	Birje	Birje	Birje	Birje	Birje
6	BORGAVE RITESH MAHAVIR	Biotech I	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave
7*	CHAVAN RUTUJA RAJESH	Biotech III	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan
8*	CHIKALKAR SHRUTI NITIN	Biotech I	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar
9	CHOUGULE KSHITI JAGANNATH	Biotech III	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule
10*	DHAVAN VAISHNAVI SANTOSH	Biotech I	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan
11*	EKSHINGE VRUSHALI SHIVAJI	Biotech I	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge
12*	GURAV ISHA JAGDISH	Biotech I	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav
13*	Hadgal Rutuja Tanaji	Biotech II	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal
14*	Hikadi Arati Ravindra	Biotech II	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi
15*	JADHAV SANIKA SAMBHAJI	Biotech I	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
16*	JOSHI SHAMBHAVI DHANANJAY	Biotech I	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi
17	KALEL ARVIND BHOJA	Biotech I	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel
18*	KAMBALE SANIKA SANJAY	Biotech (Opt) I	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
19*	Kamble Anushka Sandip	Biotech II	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
20	KAMBLE DIGAMBAR GUNDA	Biotech (Opt) III	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble	D.G.Kamble
21	KAMBLE PRATIK DASHRATH	Biotech I	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
22*	Kamble Seema Shivaji	Biotech II	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
23*	KASHID DHANSHRI UTTAM	Biotech (Opt) I	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid
24*	KAZI SADIYA ZAKIRHUSEN	Biotech (Opt) I	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi
25	KOSHTI SHRIDHAR SHRIKANT	Biotech III	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti
26	KUCHEKAR SWAPNIL BAPU	Biotech (Opt) I	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar
27	KUMBHAR MANISH BABASO	Biotech I	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar
28*	KUNDALE SHRUTI MILIND	Biotech (Opt) I	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale
29*	KURUD KRISHNA GAJANAN	Biotech I	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud
30	KUTE AJAY DADASAHEB	Biotech I	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute
31*	Lavhate Prachi Suresh	Biotech II	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate
32*	MAHIND SAMRUDHI SANJAY	Biotech I	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind
33*	MANDEKAR RUTUJA MHATARU	Biotech (Opt) I	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar
34*	MESTRI SOPHIYA SALEEM	Biotech I	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri

Yashwantrao M. Karatkar

Biotech I

Shra Shra Shra Shra Shra Shra Shra Shra Shra Shra Shra

Vivekanand College Kolhapur (Autonomous)
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Teacher: Mrunal S. Patil.

Sr.No.	Name Of Students	Class	11/03	11/03	11/03	15/03	15/03	15/03	18/03	20/03	21/03	23/03	24/03	25/03
1*	BHAMBURE SHRAVANI KAILAS	Biotech I	Shra	Shra	Shra	Shra	Shra	Shra	Shra	Shra	Shra	Shra	Shra	Shra
2*	Adav Prachi Jotiba	Biotech II	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi
3*	AWATE GAYATRI ANIL	Biotech (Opt) I	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri
4*	BAWADEKAR SHRUTIKA ANANT	Biotech I	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika
5*	BIRJE TRIVENI PUNDALIK	Biotech I	Triveni	Triveni	Triveni	Triveni	Triveni	Triveni	Triveni	Triveni	Triveni	Triveni	Triveni	Triveni
6	BORGAVE RITESH MAHAVIR	Biotech I	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh
7*	CHAVAN RUTUJA RAJESH	Biotech III	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
8*	CHIKALKAR SHRUTI NITIN	Biotech I	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
9	CHOUGULE KSHITIJ JAGANNATH	Biotech III	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti	Kshiti
10*	DHAVAN VAISHNAVI SANTOSH	Biotech I	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
11*	EKSHINGE VRUSHALI SHIVAJI	Biotech I	Vrushi	Vrushi	Vrushi	Vrushi	Vrushi	Vrushi	Vrushi	Vrushi	Vrushi	Vrushi	Vrushi	Vrushi
12*	GURAV ISHA JAGDISH	Biotech I	Isha	Isha	Isha	Isha	Isha	Isha	Isha	Isha	Isha	Isha	Isha	Isha
13*	Hadgal Rutuja Tanaji	Biotech II	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
14*	Hikadi Arati Ravindra	Biotech II	Arati	Arati	Arati	Arati	Arati	Arati	Arati	Arati	Arati	Arati	Arati	Arati
15*	IADHAV SANIKA SAMBHAJI	Biotech I	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika
16*	IOSHI SHAMBHAVI DHANANJAY	Biotech I	Shashi	Shashi	Shashi	Shashi	Shashi	Shashi	Shashi	Shashi	Shashi	Shashi	Shashi	Shashi
17	KALEL ARVIND BHOJA	Biotech I	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind	Arvind
18*	KAMBALE SANIKA SANJAY	Biotech (Opt) I	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika
19*	Kamble Anushka Sandip	Biotech II	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka	Anushka
20	KAMBLE DIGAMBAR GUNDA	Biotech (Opt) III	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar
21	KAMBLE PRATIK DASHRATH	Biotech I	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
22*	Kamble Seema Shivaji	Biotech II	Seema	Seema	Seema	Seema	Seema	Seema	Seema	Seema	Seema	Seema	Seema	Seema
23*	KASHID DHANSHRI UTTAM	Biotech (Opt) I	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri	Dhanshri
24*	KAZI SADIYA ZAKIRHUSEN	Biotech (Opt) I	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya	Sadiya
25	KOSHTI SHRIDHAR SHRIKANT	Biotech III	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar
26	KUCHEKAR SWAPNIL BAPU	Biotech (Opt) I	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil
27	KUMBHAR MANISH BABASO	Biotech I	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish
28*	KUNDALE SHRUTI MILIND	Biotech (Opt) I	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
29*	KURUD KRISHNA GAJANAN	Biotech I	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna
30	KUTE AJAY DADASAHEB	Biotech I	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
31*	Lavhate Prachi Suresh	Biotech II	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi
32*	MAHIND SAMRUDHI SANJAY	Biotech I	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi	Samrudhi
33*	MANDEKAR RUTUJA MHATARU	Biotech (Opt) I	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
34*	MESTRI SOPHIYA SALEEM	Biotech I	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya	Sophiya

Yashwantrao M. Mestri
Biotech

Vivekanand College Kolhapur (Autonomous)
COC Add On Course Biotechnology Department List 2022.23

Teacher: Anjor. A. Jadhav.

Sr.No.	Name Of Students	Class	16 Nov	17 Nov	22 Nov 26 Nov	25 Jan	31 Jan	7 Feb 11 Feb	21 Feb	11 March 16 March
1*	BHAMBURE SHRAVANI KAILAS	Biotech I	Bhambure	Bhambure	Bhambure	Bhambure	Bhambure	Bhambure	Bhambure	Bhambure
2*	Adav Prachi Jotiba	Biotech II	Adav	Adav	Adav	Adav	Adav	Adav	Adav	Adav
3*	AWATE GAYATRI ANIL	Biotech (Opt) I	Awate	Awate	Awate	Awate	Awate	Awate	Awate	Awate
4*	BAWADEKAR SHRUTIKA ANANT	Biotech I	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar
5*	BIRJE TRIVENI PUNDALIK	Biotech I	Birje	Birje	Birje	Birje	Birje	Birje	Birje	Birje
6	BORGAVE RITESH MAHAVIR	Biotech I	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave
7*	CHAVAN RUTUJA RAJESH	Biotech III	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan
8*	CHIKALKAR SHRUTI NITIN	Biotech I	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar
9	CHOUGULE KSHITI JAGANNATH	Biotech III	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule
10*	DHAVAN VAISHNAVI SANTOSH	Biotech I	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan
11*	EKSHINGE VRUSHALI SHIVAJI	Biotech I	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge
12*	GURAV ISHA JAGDISH	Biotech I	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav
13*	Hadgal Rutuja Tanaji	Biotech II	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal
14*	Hikadi Arati Ravindra	Biotech II	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi
15*	JADHAV SANIKA SAMBHAJI	Biotech I	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
16*	JOSHI SHAMBHAVI DHANANJAY	Biotech I	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi
17	KALEL ARVIND BHOJA	Biotech I	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel
18*	KAMBALE SANIKA SANJAY	Biotech (Opt) I	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
19*	Kamble Anushka Sandip	Biotech II	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
20	KAMBLE DIGAMBAR GUNDA	Biotech (Opt) III	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar	Digambar
21	KAMBLE PRATIK DASHRATH	Biotech I	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
22*	Kamble Seema Shivaji	Biotech II	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
23*	KASHID DHANSHRI UTTAM	Biotech (Opt) I	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid
24*	KAZI SADIYA ZAKIRHUSEN	Biotech (Opt) I	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi
25	KOSHTI SHRIDHAR SHRIKANT	Biotech III	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti
26	KUCHEKAR SWAPNIL BAPU	Biotech (Opt) I	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar
27	KUMBHAR MANISH BABASO	Biotech I	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar
28*	KUNDALE SHRUTI MILIND	Biotech (Opt) I	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale
29*	KURUD KRISHNA GAJANAN	Biotech I	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud
30	KUTE AJAY DADASAHEB	Biotech I	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute
31*	Lavhate Prachi Suresh	Biotech II	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate
32*	MAHIND SAMRUDHI SANJAY	Biotech I	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind
33*	MANDEKAR RUTUJA MHATARU	Biotech (Opt) I	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar
34*	MESTRI SOPHIYA SALEEM	Biotech I	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri

Yashvardhan. M. Kulkarni Biotech Z

Yashvardhan. M. Kulkarni Biotech Z

Sr.No.	Name Of Students	Class	25/02	27/02	28/02	03	28/03	03	03	03/03	03	03/10/03
1*	BHAMBURE SHRAVANI KAILAS	Biotech I	Bhambure	Bhambure	Bhambure	Bhambure	Bhambure	Bhambure	Bhambure	Bhambure	Bhambure	Bhambure
2*	Adav Prachi Jotiba	Biotech II	Adav	Adav	Adav	Adav	Adav	Adav	Adav	Adav	Adav	Adav
3*	AWATE GAYATRI ANIL	Biotech (Opt) I	Awate	Awate	Awate	Awate	Awate	Awate	Awate	Awate	Awate	Awate
4*	BAWADEKAR SHRUTIKA ANANT	Biotech I	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar
5*	BIRJE TRIVENI PUNDALIK	Biotech I	Birje	Birje	Birje	Birje	Birje	Birje	Birje	Birje	Birje	Birje
6	BORGAVE RITESH MAHAVIR	Biotech I	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave
7*	CHAVAN RUTUJA RAJESH	Biotech III	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan
8*	CHIKALKAR SHRUTI NITIN	Biotech I	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar
9	CHOUGULE KSHITIJ JAGANNATH	Biotech III	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule
10*	DHAVAN VAISHNAVI SANTOSH	Biotech I	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan
11*	EKSHINGE VRUSHALI SHIVAJI	Biotech I	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge	Ekshinge
12*	GURAV ISHA JAGDISH	Biotech I	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav
13*	Hadgal Rutuja Tanaji	Biotech II	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal
14*	Hikadi Arati Ravindra	Biotech II	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi
15*	JADHAV SANIKA SAMBHAJI	Biotech I	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
16*	JOSHI SHAMBHAVI DHANANJAY	Biotech I	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi
17	KALEL ARVIND BHOJA	Biotech I	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel
18*	KAMBALE SANIKA SANJAY	Biotech (Opt) I	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
19*	Kamble Anushka Sandip	Biotech II	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
20	KAMBLE DIGAMBAR GUNDA	Biotech (Opt) IM	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
21	KAMBLE PRATIK DASHRATH	Biotech I	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
22*	Kamble Seema Shivaji	Biotech II	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
23*	KASHID DHANSHRI UTTAM	Biotech (Opt) I	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid
24*	KAZI SADIYA ZAKIRHUSEN	Biotech (Opt) I	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi
25	KOSHTI SHRIDHAR SHRIKANT	Biotech III	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti
26	KUCHEKAR SWAPNIL BAPU	Biotech (Opt) I	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar
27	KUMBHAR MANISH BABASO	Biotech I	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar
28*	KUNDALE SHRUTI MILIND	Biotech (Opt) I	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale
29*	KURUD KRISHNA GAJANAN	Biotech I	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud
30	KUTE AJAY DADASAHEB	Biotech I	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute
31*	Lavhate Prachi Suresh	Biotech II	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate
32*	MAHIND SAMRUDHI SANJAY	Biotech I	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind
33*	MANDEKAR RUTUJA MHATARU	Biotech (Opt) I	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar
34*	MESTRI SOPHIYA SALEEM	Biotech I	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri

Yashwantrao M. Vankar

Biotech I

25/02 27/02 28/02 03 28/03 03 03/03 03 03/10/03

PRACTICAL ATTENDANCE

Vivekanand College Kolhapur (Autonomous)
COC Add On Course Biotechnology Department List 2022.23

Sr.No.	Name Of Students	Class	P1	P2	P3	P4	P5	P6	P7	P8
1*	BHAMBURE SHRAVANI KAILAS	Biotech I	Surya	Surya	Surya	Surya	Surya	Surya	Surya	Surya
2*	Adav Prachi Jotiba	Biotech II	Adav	Adav	Adav	Adav	Adav	Adav	Adav	Adav
3*	AWATE GAYATRI ANIL	Biotech (Opt) I	Gawade	Gawade	Gawade	Gawade	Gawade	Gawade	Gawade	Gawade
4*	BAWADEKAR SHRUTIKA ANANT	Biotech I	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar	Bawadekar
5*	BIRJE TRIVENI PUNDALIK	Biotech I	Birje	Birje	Birje	Birje	Birje	Birje	Birje	Birje
6	BORGAVE RITESH MAHAVIR	Biotech I	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave
7*	CHAVAN RUTUJA RAJESH	Biotech III	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan
8*	CHIKALKAR SHRUTI NITIN	Biotech I	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar	Chikalkar
9	CHOUGULE KSHITIJ JAGANNATH	Biotech III	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule	Chougule
10*	DHAVAN VAISHNAVI SANTOSH	Biotech I	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan	Dhavan
11*	EKSHINGE VRUSHALI SHIVAJI	Biotech I	Ekslinge	Ekslinge	Ekslinge	Ekslinge	Ekslinge	Ekslinge	Ekslinge	Ekslinge
12*	GURAV ISHA JAGDISH	Biotech I	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav
13*	Hadgal Rutuja Tanaji	Biotech II	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal	Hadgal
14*	Hikadi Arati Ravindra	Biotech II	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi	Hikadi
15*	JADHAV SANIKA SAMBHAJI	Biotech I	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
16*	JOSHI SHAMBHAVI DHANANJAY	Biotech I	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi
17	KALEL ARVIND BHOJA	Biotech I	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel	Kalel
18*	KAMBALE SANIKA SANJAY	Biotech (Opt) I	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
19*	Kamble Anushka Sandip	Biotech II	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
20	KAMBLE DIGAMBAR GUNDA	Biotech (Opt) III	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
21	KAMBLE PRATIK DASHRATH	Biotech I	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
22*	Kamble Seema Shivaji	Biotech II	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
23*	KASHID DHANSHRI UTTAM	Biotech (Opt) I	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid	Kashid
24*	KAZI SADIYA ZAKIRHUSEN	Biotech (Opt) I	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi	Kazi
25	KOSHTI SHRIDHAR SHRIKANT	Biotech III	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti	Koshti
26	KUCHEKAR SWAPNIL BAPU	Biotech (Opt) I	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar	Kuchekar
27	KUMBHAR MANISH BABASO	Biotech I	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar
28*	KUNDALE SHRUTI MILIND	Biotech (Opt) I	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale	Kundale
29*	KURUD KRISHNA GAJANAN	Biotech I	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud	Kurud
30	KUTE AJAY DADASAHEB	Biotech I	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute
31*	Lavhate Prachi Suresh	Biotech II	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate	Lavhate
32*	MAHIND SAMRUDHI SANJAY	Biotech I	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind
33*	MANDEKAR RUTUJA MHATARU	Biotech (Opt) I	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar	Mandekar
34*	MESTRI SOPHIYA SALEEM	Biotech I	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri	Mestri

Yashwantrao Chavan Pratishthan

Biotech I

PRACTICAL ATTENDANCE

Vivekanand College Kolhapur (Autonomous)
COC Add On Course Biotechnology Department List 2022.23

Sr.No.	Name Of Students	Class	P9	P10	P11	P12					
1*	BHAMBURE SHRAVANI KAILAS	Biotech I	Shrav	Shrav	Shrav	Shrav					
2*	Adav Prachi Jotiba	Biotech II	Prachi	Prachi	Prachi	Prachi					
3*	AWATE GAYATRI ANIL	Biotech (Opt) I	Gayatri	Gayatri	Gayatri	Gayatri					
4*	BAWADEKAR SHRUTIKA ANANT	Biotech I	Shrutika	Shrutika	Shrutika	Shrutika					
5*	BIRJE TRIVENI PUNDALIK	Biotech I	Birje	Birje	Birje	Birje					
6*	BORGAVE RITESH MAHAVIR	Biotech I	Ritesh	Ritesh	Ritesh	Ritesh					
7*	CHAVAN RUTUJA RAJESH	Biotech III	Rutuja	Rutuja	Rutuja	Rutuja					
8*	CHIKALKAR SHRUTI NITIN	Biotech I	Shruti	Shruti	Shruti	Shruti					
9*	CHOUGULE KSHITIJ JAGANNATH	Biotech III	Kshiti	Kshiti	Kshiti	Kshiti					
10*	DHAVAN VAISHNAVI SANTOSH	Biotech I	Shruti	Shruti	Shruti	Shruti					
11*	EKSHINGE VRUSHALI SHIVAJI	Biotech I	Vrushali	Vrushali	Vrushali	Vrushali					
12*	GURAV ISHA JAGDISH	Biotech I	Isha	Isha	Isha	Isha					
13*	Hadgal Rutuja Tanaji	Biotech II	Rutuja	Rutuja	Rutuja	Rutuja					
14*	Hikadi Arati Ravindra	Biotech II	Arati	Arati	Arati	Arati					
15*	JADHAV SANIKA SAMBHAJI	Biotech I	Sanika	Sanika	Sanika	Sanika					
16*	JOSHI SHAMBHAVI DHANANJAY	Biotech I	Shambhavi	Shambhavi	Shambhavi	Shambhavi					
17*	KALEL ARVIND BHOJA	Biotech I	Arvind	Arvind	Arvind	Arvind					
18*	KAMBALE SANIKA SANJAY	Biotech (Opt) I	Sanika	Sanika	Sanika	Sanika					
19*	Kamble Anushka Sandip	Biotech II	Anushka	Anushka	Anushka	Anushka					
20*	KAMBLE DIGAMBAR GUNDA	Biotech (Opt) III	Digambar	Digambar	Digambar	Digambar					
21*	KAMBLE PRATIK DASHRATH	Biotech I	Pratik	Pratik	Pratik	Pratik					
22*	Kamble Seema Shivaji	Biotech II	Seema	Seema	Seema	Seema					
23*	KASHID DHANSHRI UTTAM	Biotech (Opt) I	Dhanshri	Dhanshri	Dhanshri	Dhanshri					
24*	KAZI SADIYA ZAKIRHUSEN	Biotech (Opt) I	Sadiya	Sadiya	Sadiya	Sadiya					
25*	KOSHTI SHRIDHAR SHRIKANT	Biotech III	Shridhar	Shridhar	Shridhar	Shridhar					
26*	KUCHEKAR SWAPNIL BAPU	Biotech (Opt) I	Swapnil	Swapnil	Swapnil	Swapnil					
27*	KUMBHAR MANISH BABASO	Biotech I	Manish	Manish	Manish	Manish					
28*	KUNDALE SHRUTI MILIND	Biotech (Opt) I	Shruti	Shruti	Shruti	Shruti					
29*	KURUD KRISHNA GAJANAN	Biotech I	Krishna	Krishna	Krishna	Krishna					
30*	KUTE AJAY DADASAHEB	Biotech I	Ajay	Ajay	Ajay	Ajay					
31*	Lavhate Prachi Suresh	Biotech II	Prachi	Prachi	Prachi	Prachi					
32*	MAHIND SAMRUDHI SANJAY	Biotech I	Samrudhi	Samrudhi	Samrudhi	Samrudhi					
33*	MANDEKAR RUTUJA MHATARU	Biotech (Opt) I	Rutuja	Rutuja	Rutuja	Rutuja					
34*	MESTRI SOPHIYA SALEEM	Biotech I	Sophiya	Sophiya	Sophiya	Sophiya					

Yashvardhan M. Venkateshwar Biotech I

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

DEPARTMENT OF BIOTECHNOLOGY

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

EXAM -THEORY AND PRACTICAL

= 40 marks

Q1 choose the correct alternative and mark the Answer:

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

20
10

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

7
10

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

19
40

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

5
10

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

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- b) Digital Weighing Balance
- c) Traditional balance
- d) Manual balance

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

DEPARTMENT OF BIOTECHNOLOGY

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

EXAM - THEORY AND PRACTICAL

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 d) to determine the size of various organelles.

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- 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
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 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
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6. We can weigh any solids accurately by using _____.

- a) Watch glass weighing balance
 b) Digital Weighing Balance
 c) Traditional balance
 d) Manual balance

23
40

6
10

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
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2. A primary objective of cell fractionation is _____.

- a) to identify the enzymes outside the organelles.
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28
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3/10

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Name: Samrudhee . Anil. Talekar
Class: Bsc. Biotechnology (Contia) 2022-23

25
40

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

03
10

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Vivekanand College Kolhapur (Autonomous)

COC Course Mark List 2022.23

Sr.No.		Name Of Students	Class	Theory (out of 40)	Practical (out of 10)	Total (out of 50)
1	*	BHAMBURE SHRAVANI KAILAS	Biotech I	29	05	34
2	*	Adav Prachi Jotiba	Biotech II	20	05	25
3	*	AWATE GAYATRI ANIL	Biotech (Opt) I	27	04	31
4	*	BAWADEKAR SHRUTIKA ANANT	Biotech I	23	04	27
5	*	BIRJE TRIVENI PUNDALIK	Biotech I	20	05	25
6		BORGAVE RITESH MAHAVIR	Biotech I	25	08	33
7	*	CHAVAN RUTUJA RAJESH	Biotech III	31	04	35
8	*	CHIKALKAR SHRUTI NITIN	Biotech I	29	06	35
9		CHOUGULE KSHITIJ JAGANNATH	Biotech III	31	05	36
10	*	DHAVAN VAISHNAVI SANTOSH	Biotech I	26	05	31
11	*	EKSHINGE VRUSHALI SHIVAJI	Biotech I	24	06	30
12	*	GURAV ISHA JAGDISH	Biotech I	25	08	33
13	*	Hadgal Rutuja Tanaji	Biotech II	23	04	27
14	*	Hikadi Arati Ravindra	Biotech II	28	06	34
15	*	JADHAV SANIKA SAMBHAJI	Biotech I	25	06	31
16	*	JOSHI SHAMBHAVI DHANANJAY	Biotech I	32	06	38
17		KALEL ARVIND BHOJA	Biotech I	20	06	26
18	*	KAMBALE SANIKA SANJAY	Biotech (Opt) I	14	04	18
19	*	Kamble Anushka Sandip	Biotech II	30	08	38
20		KAMBLE DIGAMBAR GUNDA	Biotech (Opt) III	25	06	31
21		KAMBLE PRATIK DASHRATH	Biotech I	23	07	30
22	*	Kamble Seema Shivaji	Biotech II	28	10	38
23	*	KASHID DHANSHRI UTTAM	Biotech (Opt) I	18	04	22
24	*	KAZI SADIYA ZAKIRHUSEN	Biotech (Opt) I	27	04	31
25		KOSHTI SHRIDHAR SHRIKANT	Biotech III	22	04	26
26		KUCHEKAR SWAPNIL BAPU	Biotech (Opt) I	29	05	34
27		KUMBHAR MANISH BABASO	Biotech I	23	03	26
28	*	KUNDALE SHRUTI MILIND	Biotech (Opt) I	25	04	29
29	*	KURUD KRISHNA GAJANAN	Biotech I	22	05	27
30		KUTE AJAY DADASAHEB	Biotech I	25	06	31
31	*	Lavhate Prachi Suresh	Biotech II	21	03	24
32	*	MAHIND SAMRUDHI SANJAY	Biotech I	26	04	30
33	*	MANDEKAR RUTUJA MHATARU	Biotech (Opt) I	25	06	31

34	*	MESTRI SOPHIYA SALEEM	Biotech I	28	03	31
35	*	More Ankita Shrikant	Biotech II	28	04	22
36	*	PARIT SUCHETA RANJEET	Biotech I	25	03	28
37		PATIL CHETAN BALKRISHNA	Biotech I	32	03	35
38	*	PATIL NEETA BALIRAM	Biotech (Opt) I	27	05	32
39		PATIL NIRAJ RAJGONDA	Biotech I	24	07	31
40		PATIL PRATIK AADAGONDA	Biotech I	20	02	22
41	*	PATIL PRATIKSHA DATTATRAY	Biotech I	29	06	35
42	*	PATIL SHREYA BAJIRAO	Biotech (Opt) I	21	03	24
43		PATIL SHRIDHAR SAGAR	Biotech I	24	05	29
44	*	PATIL SNIGDHA SUNIL	Biotech (Opt) I	24	04	25
45		PATIL SUNIL RAVINDRA	Biotech (Opt) III	20	07	27
46	*	Patil Vaishnavi Vilas	Biotech II	21	04	25
47	*	Patil Vaishnvi Manohar	Biotech II	21	04	25
48	*	Patil Yuvradnyi Prakash	Biotech II	23	06	29
49	*	PEDNEKAR ARYA HERAMB	Biotech I	22	07	29
50	*	PINJARE NAYAN AMAR	Biotech I	33	06	39
51	*	POL ESHWARI PARSU	Biotech I	29	06	35
52		SARNAIK PRATHAMESH KIRAN	Biotech III	27	05	32
53		SAWANT VIRAJ JAYDEEP	Biotech I	29	06	35
54		SHINDE SHUBHAM SUBHASH	Biotech III	32	06	38
55	*	SHIRODKAR SOUNDARYA UMESH	Biotech I	21	4	25
56		SONAVANE ADITYA ANIL	Biotech (Opt) III	24	06	30
57	*	SONAWANE NIHARIKA DEEPAK	Biotech (Opt) I	19	05	24
58	*	SURYAWANSHI ADITI VINOD	Biotech (Opt) I	19	05	24
59	*	SUTAR SNEHA VIKAS	Biotech III	29	04	33
60	*	TALEKAR SAMRUDHEE ANIL	Biotech I	25	03	28
61		THAKARE OMKAR SANTOSH	Biotech I	25	06	31
62	*	UNHALE PRIYANKA SHIVAJI	Biotech (Opt) I	26	4	30
63	*	VASWANI YASHIKA DAMODAR	Biotech I	29	06	35
64	*	Vichare Ashwini Raghunath	Biotech II	21	01	22
65	*	VORA KRITIKA BHARAT	Biotech (Opt) I	22	06	28
66	*	WADEYAR MADHUMITA MALHARI	Biotech III	25	06	31
67		WADHWA MAHEK VINOD	Biotech (Opt) I	26	00	29
68	*	Yadav Shruti Subhash	Biotech II	28	07	35
69	*	ZAPATE SHWETA SHEKHAR	Biotech III	25	03	28

70 Yashwardhan. M. Kavathekar Biotech I 33 08 41
71 Rutuja Sardar. Patil Biotech I (opt) 21 05 26

CO-ORDINATOR
ADD-ON COURSE
DEPARTMENT OF BIOTECHNOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

V.N. More
Examiner
(Theory)

Gul
Examiner
(Practical)

17/06/2020
HEAD
DEPARTMENT OF BIOTECHNOLOGY (ENTIRE)
VIVEKANAND COLLEGE, KOLHAPUR
(Biotechnology department)





"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. Borgave Ritesh Mahavir of B. Sc.
I/II/III Biotech Entire has passed the Value Added Course
"VAD -1611 Instrumentation Course in Life Science" in the Month of
March year 22-23 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