

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

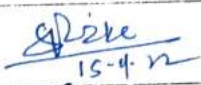



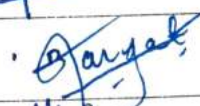
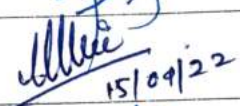
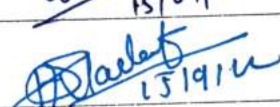

DEPARTMENT OF BIOTECHNOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



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

[Handwritten signature]

Head

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

[Handwritten signature]

Mr A.L.Upadhye

~~Co-Ordinator~~
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



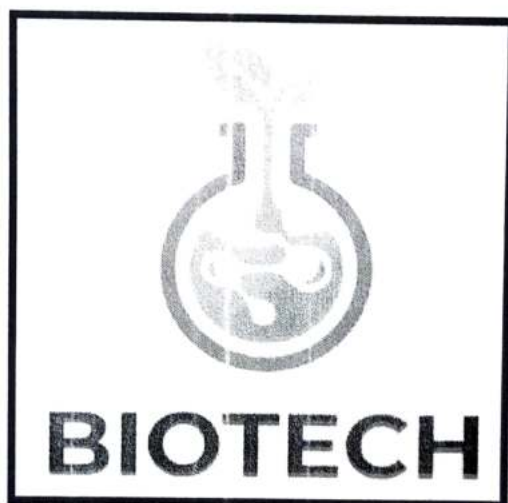
VIVEKANAND COLLEGE, KOLHAPUR

(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 names 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 | Rutuja | Rutuja | Rutuja | Rutuja | Rutuja | Rutuja | Rutuja | Rutuja | Rutuja |
| 8* | CHIKALKAR SHRUTI NITIN | Biotech I | Shruti | Shruti | Shruti | Shruti | Shruti | Shruti | Shruti | Shruti | Shruti |
| 9* | CHOUGULE KSHITI JAGANNATH | Biotech III | Kshiti | Kshiti | Kshiti | Kshiti | Kshiti | Kshiti | Kshiti | Kshiti | Kshiti |
| 10* | DHAVAN VAISHNAVI SANTOSH | Biotech I | Shruti | Shruti | Shruti | Shruti | Shruti | Shruti | Shruti | Shruti | Shruti |
| 11* | EKSHINGE VRUSHALI SHIVAJI | Biotech I | Vrushi | Vrushi | Vrushi | Vrushi | Vrushi | Vrushi | Vrushi | Vrushi | Vrushi |
| 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 | Digambar | Digambar | Digambar | Digambar | Digambar | Digambar | Digambar | Digambar | Digambar |
| 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 | 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 |
| 25* | KOSHTI SHRIDHAR SHRIKANT | Biotech III | 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 |
| 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

Rutuja

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)
COC Add On Course Biotechnology Department List 2022.23

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 | Gawte | Gawte | Gawte | Gawte | Gawte | Gawte | Gawte | Gawte |
| 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

Shra Shra Shra Shra Shra Shra Shra Shra Shra Shra Shra

| 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 | Prach | Prach | Prach | Prach | Prach | Prach | Prach | Prach |
| 3* | AWATE GAYATRI ANIL | Biotech (Opt) I | Gaya | Gaya | Gaya | Gaya | Gaya | Gaya | Gaya | Gaya |
| 4* | BAWADEKAR SHRUTIKA ANANT | Biotech I | Shru | Shru | Shru | Shru | Shru | Shru | Shru | Shru |
| 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 | Chav | Chav | Chav | Chav | Chav | Chav | Chav | Chav |
| 8* | CHIKALKAR SHRUTI NITIN | Biotech I | Chika | Chika | Chika | Chika | Chika | Chika | Chika | Chika |
| 9 | CHOUGULE KSHITI JAGANNATH | Biotech III | Chou | Chou | Chou | Chou | Chou | Chou | Chou | Chou |
| 10* | DHAVAN VAISHNAVI SANTOSH | Biotech I | Dhava | Dhava | Dhava | Dhava | Dhava | Dhava | Dhava | Dhava |
| 11* | EKSHINGE VRUSHALI SHIVAJI | Biotech I | Ekshi | Ekshi | Ekshi | Ekshi | Ekshi | Ekshi | Ekshi | Ekshi |
| 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 | Jadha | Jadha | Jadha | Jadha | Jadha | Jadha | Jadha | Jadha |
| 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 | Kamba | Kamba | Kamba | Kamba | Kamba | Kamba | Kamba | Kamba |
| 19* | Kamble Anushka Sandip | Biotech II | Kambl | Kambl | Kambl | Kambl | Kambl | Kambl | Kambl | Kambl |
| 20 | KAMBLE DIGAMBAR GUNDA | Biotech (Opt) III | Digamba | Digamba | Digamba | Digamba | Digamba | Digamba | Digamba | Digamba |
| 21 | KAMBLE PRATIK DASHRATH | Biotech I | Kambl | Kambl | Kambl | Kambl | Kambl | Kambl | Kambl | Kambl |
| 22* | Kamble Seema Shivaji | Biotech II | Kambl | Kambl | Kambl | Kambl | Kambl | Kambl | Kambl | Kambl |
| 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 | Kuchek | Kuchek | Kuchek | Kuchek | Kuchek | Kuchek | Kuchek | Kuchek |
| 27 | KUMBHAR MANISH BABASO | Biotech I | Kumbh | Kumbh | Kumbh | Kumbh | Kumbh | Kumbh | Kumbh | Kumbh |
| 28* | KUNDALE SHRUTI MILIND | Biotech (Opt) I | Kunda | Kunda | Kunda | Kunda | Kunda | Kunda | Kunda | Kunda |
| 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

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Vivekanand College Kolhapur (Autonomous)
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Teacher: Salama . B. Mulla .

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

Yashvardhan Kavathekar

Biotech I

Chav Chav Chav Chav Chav Chav Chav Chav Chav Chav Chav Chav Chav Chav Chav

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

| Sr.No. | Name Of Students | Class | 11/03 | 11/03 | 11/03 | 11/03 | 11/03 | 11/03 | 11/03 | 11/03 | 11/03 | 11/03 | 11/03 |
|--------|---------------------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1* | BHAMBURE SHRAVANI KAILAS | Biotech I | 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 |
| 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 | 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 |
| 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* | IADHAV SANIKA SAMBHAJI | Biotech I | Sanika | Sanika | Sanika | Sanika | Sanika | Sanika | Sanika | Sanika | Sanika | Sanika | Sanika |
| 16* | IOSHI 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 |

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 | 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 |

Yashvardhan. M. Kulkarni Biotech Z

Yashvardhan. M. Kulkarni Biotech Z

| Sr.No. | Name Of Students | Class | 25/02 | 27/02 | 28/02 | 03 | 2/3 | 3/3 | 6/3 | 6/3 | 8/3 | 9/3 | 9/3 | 10/3 |
|--------|----------------------------|------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1* | BHAMBURE SHRAVANI KAILAS | Biotech I | Bhambure | Bhambure | 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 | Adav | Adav |
| 3* | AWATE GAYATRI ANIL | Biotech (Opt) I | Awate | Awate | 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 | Bawadekar | Bawadekar |
| 5* | BIRJE TRIVENI PUNDALIK | Biotech I | Birje | 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 | Borgave |
| 7* | CHAVAN RUTUJA RAJESH | Biotech III | Chavan | 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 | Chikalkar |
| 9 | CHOUGULE KSHITIJ JAGANNATH | Biotech III | Chougule | 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 | Dhavan |
| 11* | EKSHINGE VRUSHALI SHIVAJI | Biotech I | Ekshinge | 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 | Gurav |
| 13* | Hadgal Rutuja Tanaji | Biotech II | Hadgal | 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 | Hikadi |
| 15* | JADHAV SANIKA SAMBHAJI | Biotech I | Jadhav | Jadhav | 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 | Joshi | Joshi |
| 17 | KALEL ARVIND BHOJA | Biotech I | Kalel | 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 | Kamble |
| 19* | Kamble Anushka Sandip | Biotech II | Kamble | Kamble | Kamble | Kamble | Kamble | Kamble | Kamble | Kamble | Kamble | Kamble | Kamble | Kamble |
| 20 | KAMBLE DIGAMBAR GUNDA | Biotech (Opt) IM | 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 | D.G.Kamble |
| 21 | KAMBLE PRATIK DASHRATH | Biotech I | Kp | Kp | Kp | Kp | Kp | Kp | Kp | Kp | Kp | Kp | Kp | Kp |
| 22* | Kamble Seema Shivaji | Biotech II | Ks | Ks | Ks | Ks | Ks | Ks | Ks | Ks | Ks | Ks | Ks | Ks |
| 23* | KASHID DHANSHRI UTTAM | Biotech (Opt) I | Kashid | 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 | Kazi |
| 25 | KOSHTI SHRIDHAR SHRIKANT | Biotech III | Koshti | 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 | Kuchekar |
| 27 | KUMBHAR MANISH BABASO | Biotech I | M.B.K | M.B.K | M.B.K | M.B.K | M.B.K | M.B.K | M.B.K | M.B.K | M.B.K | M.B.K | M.B.K | M.B.K |
| 28* | KUNDALE SHRUTI MILIND | Biotech (Opt) I | SMK | SMK | SMK | SMK | SMK | SMK | SMK | SMK | SMK | SMK | SMK | SMK |
| 29* | KURUD KRISHNA GAJANAN | Biotech I | K. Kurud | K. Kurud | K. Kurud | K. Kurud | K. Kurud | K. Kurud | K. Kurud | K. Kurud | K. Kurud | K. Kurud | K. Kurud | K. Kurud |
| 30 | KUTE AJAY DADASAHEB | Biotech I | AKUTS | AKUTS | AKUTS | AKUTS | AKUTS | AKUTS | AKUTS | AKUTS | AKUTS | AKUTS | AKUTS | AKUTS |
| 31* | Lavhate Prachi Suresh | Biotech II | Lavhate | 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 | Mahind |
| 33* | MANDEKAR RUTUJA MHATARU | Biotech (Opt) I | Mandekar | 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 | Mestri |

Yashwantrao M. Venkatesh

Biotech I

25/02 27/02 28/02 03 2/3 3/3 6/3 6/3 8/3 9/3 9/3 10/3

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 | 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 | 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 | Vrushi | Vrushi | Vrushi | Vrushi | | | | | |
| 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 | Shashi | Shashi | Shashi | Shashi | | | | | |
| 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:

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

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

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19
40

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

5
10

DEPARTMENT OF BIOTECHNOLOGY

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24
40

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

7
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DEPARTMENT OF BIOTECHNOLOGY

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23
40

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

6
10

DEPARTMENT OF BIOTECHNOLOGY

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

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28
40

3/10

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

DEPARTMENT OF BIOTECHNOLOGY

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

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

25
40

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

03
10

DEPARTMENT OF BIOTECHNOLOGY

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

EXAM -THEORY AND PRACTICAL

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VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

DEPARTMENT OF BIOTECHNOLOGY

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EXAM - THEORY AND PRACTICAL

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VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

DEPARTMENT OF BIOTECHNOLOGY

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VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

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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