Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

Department of Microbiology

Add on course on

Microbial Pathology

Matsyodari Shikshan Sanstha's

ANKUSHRAO TOPE COLLEGE , JALNA

DEPARTMENT OF MICROBIOLOGY

ADD ON COURSE ON

MICROBIAL PATHOLOGY

Dr. M.B.PANDIT
Principal, MSSATC, Jalna

Dr. S. A. PATIL
Vice-Principal, MSSATC, Jalna

Course Coordinator,
Dr. B. R. Shinde
Department of Microbiology
Mo. 9421647802
mssmicrobiology12@gmail.com

COURSE DURATION 30 HOURS

BOARD OF MANAGEMENT

President- Principal Dr. M.B. Pandit

Head- Dr. B.R. Shinde

Faculty- Mrs. S.V. Wadekar

MICROBIAL PATHOLOGY COURCE OUTLINE-

1. REGISTRAION/ADMISSION

2. PROVIDE SYLLABUS, THEORY NOTES, STUDY MATERIAL, PPT SLIDES, PRACTICAL DEMO/VIDEO

3. SYLLABUS COMPLITION IN 30 HRS

4. ATTENDANCE -30 MANDATORY

5. ARRENGE TEST/EXAMINATION

6. RESULTS

7. CERTIFICATES

8. REPORT OF ONLINE COURSE SUBMITTED TO IQAC DEPARTMENT COMMITTI.

*COORDINATOR,
DR. B.R.SHINDE, HEAD DEPARTMENT OF MICROBIOLOGY,
ANKUSHRAO TOPE COLLEGE, JALNA. MO. 9421647802.
E-mailbadrishinde1@gmail.com

Department of Microbiology

Add on Course on

MICROBIAL PATHOLOGY

Terms & Conditions

1. Duration of add on course will be 30 lectures.

2. Participants must have Microbiology as one of the subjects in B.Sc.

3. Medium of course and examination will be English.

4. Syllabus and scheme of examination shall be decided by department of Microbiology.

5. On completion of syllabus in 30 lectures, examination will be scheduled in multiple choice questions format and certificates will be given to participants.

6. Other rule regarding the course will be as per college and organizing committee.

Matsyodari Shikshan Sanstha's

Ankushrao Tope College Jalna

Department of Microbiology

MICROBIAL PATHOLOGY COURSE-2022-23

Time Table

DAY	class	2:00 to 3:00
Monday	**B.Sc.**	Microbiology (BRS)
Tuesday	**B.Sc.**	Serology (SVW)
Wednesday	**B.Sc.**	Haematology (BRS)
Thursday	**B.Sc.**	Blood banking (SVW)
Friday	**B.Sc.**	Microbiology (BRS)
Saturday	**B.Sc.**	Serology (SVW)

W.E.F. 01/02/2023

(BRS) Dr. B.R. Shinde (SVW) Dr. S.V. Wadekar

HOD

VICE-PRINCIPAL

VICE-PRINCIPAL
Matsyodari Shikshan Sanstha's
Ankushrao Tope College, Jalna

PRINCIPAL

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ANKUSHRAO TOPE COLLEGE, JALNA

Department Of Microbiology

Microbial Pathology Course 2022-23

Time Table

DAY	TOPIC	TIME
Monday	Microbiology – BRS	02:00-03:00PM
Tuesday	Serology- SVW	02:00-03:00PM
Wednesday	Hematology- BRS	02:00-03:00PM
Thursday	Blood Banking- SVW	02:00-03:00PM
Friday	Microbiology-BRS	02:00-03:00PM
Saturday	Serology- SVW	02:00-03:00PM

BRS-Dr. B.R. Shinde SVW- Dr. S.V. Wadekar

HOD

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- **List of Students-**

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Dr. S.V. Wadekar

Dr. B.R. Shinde

*Microbial Pathology Course-

*SYLLABUS-

Unit- I. Microbiology:

a. Classification

b. Morphology of Bacteria

c. Culture & isolation of bacteria

d. Gram positive & gram negative cocci

e. Gram positive & Gram negative bacilli

f. Anaerobic spore bearing bacilli

Unit- II. Serology:

a. Antigen & Antibodies

b. Diagnosis of syphilis – VDRL test

c. RA test

d. Diagnosis of Typhoid – Widal test

e. Elisa test

Unit- III. HAEMATOLOGY:

a. Composition of blood

b. Collection of blood & anticoagulants

c. Hb estimation

d. Preparation & staining of blood films

Unit- IV. BLOOD BANKING:

a. Blood group – ABO system, Rh typing

b. Cross matching, Coomb's test,

c. Donor screening

d. Blood transfusion & transfusion reactions

e. Blood components

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Dr. S. V. Wadekar

Matsyodari Shikshan Sanstha's

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Microbial Pathology

EXAMINATION-2022-23

Marks= 30 Time= 30 minute

1. Colour of blood is.....

a. Blue b. Red c. Yellow d. Pink

2. Blood consist of pale yellow fluid called as.....

a. sigma b. Hb
c. Plasma d. Saliva

3. Blood consist of solid elements is called as.....
a. formed elements b. Solid elements
c. Unformed elements d. Trace elements

4. A normal adult male contain about ..... litres blood volumes.
a. 7 b. 6 c. 5 d.8

5. How many blood groups are present in human .
a. 5 b. 12 c. 4 d. 6

6. Haemoglobin is found in protein cells *s called as*.....
a. WBC b. Plasma c. T - cell d. RBC

7. The density of blood is.....
a. 1.050 g/ml b. 1065g/ml c. 1000g/ml d. 1200g/ml

8. Formation of blood cell is called...
a. mitosis b. Hemopoiesis
c. Photosynthesis d. Complement fixations

9. During blood donations, the removal of blood components is called....
a. cytophresis b. Plasmophresis
c. Aphresis d. Leakophresis

10. Primary reactions of Ag- Ab interaction is....
a. Invisible b. Visible

c. Ph dependantd. No reaction

11. The common blood groups among these is—
a. AB-ve b. B+ve c. A-ve d. AB +ve

12. Full form of VDRL Test is...
a. Venereal disease research laboratory test
b. Ventral dots rediomic laboratory test
c. Ventral diseases reactions laboratory test
d. Venereal diagnosis research laboratory

13. RA Tests means----
a. Rhesus antibody b. Rheumatoid arthritis
c. Raw antigen d. Real arthritis

14. Widal test is diagnosis which type of fever?
a. Malaria b. Enteric fever
c. Typhoid fever d. Dengue

15. CFT?
a. complement fixation test b. Compound flexible test
c. Complement flexible test d. Compound fixation test

***

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Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Landge Sakshi Devanand

Class: B.Sc. S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

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Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

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This is to certify that Mr. / Ms. Jadhav Rohini Sundarrao

Class: B.Sc.S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal



Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Bhakad Aarti Dattu

Class: B.Sc. S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Wagh Pradnya Shivaji

Class: B.Sc.S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde
Course Coordinator

Dr. M. B. Pandit
Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Patole Sanjana Mohan

Class: B.Sc. S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Gavhane Prashant Tarachand

Class: B.Sc. S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde
Course Coordinator

Dr. M. B. Pandit
Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Mhaske Pratima Ashok

Class: B.Sc.S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde
Course Coordinator

Dr. M. B. Pandit
Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Kharat Pallavi Digamber

Class: B.Sc. S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Shaikh Mahek Begum Zaker

Class: B.Sc. T.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Bhardwaj Nitesh Raju

Class: B. Sc. T. Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Ranjwan Priyanka Eknath

Class: B.Sc. T.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde
Course Coordinator

Dr. M. B. Pandit
Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Magare Bhima Kailash

Class: B.Sc. T.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Chaudhari Balasaheb Sarjerao

Class: B.Sc. T.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde
Course Coordinator

Dr. M. B. Pandit
Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that ~~Mr.~~ / Ms. DHAWALE SANDHYA PADMAKAR

Class: B.Sc.F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that ~~Mr.~~ / Ms. GODSE PRIYANKA ASHOK

Class: B.Sc.F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. UGHADE PRIYANKA NANDKUMAR

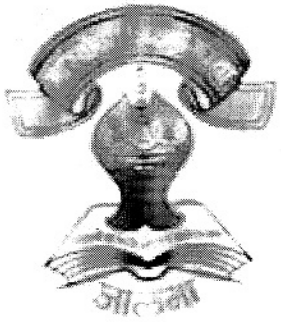
Class: B.Sc.F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal



Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that ~~Mr.~~ / Ms. POOJA JADHAV

Class: B.Sc.F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. DIVYA BHUTEKAR

Class: B.Sc. F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that ~~Mr.~~ / Ms. KHANDEKAR NANDINI RAJU

Class: B.Sc. F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Hiwale Surekha Bhimrao

Class: B.Sc. S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Gandakhe Sakshi Vilas

Class: B.Sc.S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Dhavle Sandhya Padmakar

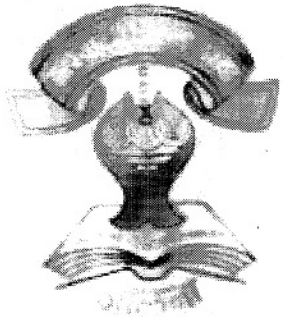
Class: B.Sc.S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal



Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Khan Jabeen Jumma

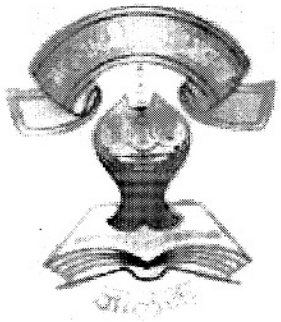
Class: B.Sc.S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal



Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Sable Vaishnavi Kalyanrao

Class: B.Sc.S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. Misal Rutuja Aniruddha

Class: B.Sc. S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. WAGHMARE SAMDISHA SHAM

Class: B.Sc.F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that ~~Mr.~~ / Ms. FULZADE AISHWARYA LAXMAN

Class: B.Sc.S.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / ~~Ms.~~ PATOLE GAURAV DASHRATH

Class: B.Sc.F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. SYED FATEMA BEGUM SABATULLA

Class: B.Sc.F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / ~~Ms.~~ MOHAMMAD SIDDIQUE MOH. SALEEM

Class: B.Sc. F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde
Course Coordinator

Dr. M. B. Pandit
Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. PANCHAL VISHNU BHAGWAN

Class: B.Sc. F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / ~~Ms.~~ PAIKRAO GANESH BALU

Class: B.Sc. F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. SAWANT JAYSHREE RAMESH

Class: B.Sc. F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. SALVE ARVIND ASARAM

Class: B.Sc. F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde
Course Coordinator

Dr. M. B. Pandit
Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / ~~Ms.~~ RATHOD RITESH SUDAM

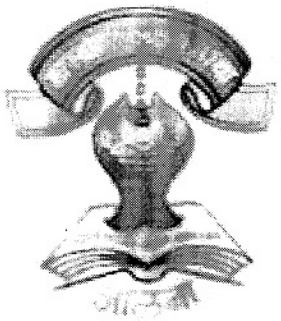
Class: B.Sc.F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal



Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. RANDHAVE RUPALI PRAMOD

Class: B.Sc. F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Microbiology

Add on Course on

"Microbial Pathology"

CERTIFICATE

This is to certify that Mr. / Ms. SHAIKH MISBAH SHAIKH SHARIF

Class: B.Sc.F.Y. **has successfully completed Add-on Course on "Microbial Pathology" in the academic year 2022–2023 organized by Department of Microbiology, Ankushrao Tope College, Jalna.**

Dr. B. R. Shinde

Course Coordinator

Dr. M. B. Pandit

Principal

Matsyodari Shikshan Sanstha's
Ankushrao Tope College, Jalna.

Dept. of Chemistry

"Modern Instrumental Methods of Analysis"

Course Duration: 30 Hours

This course is designed to familiarize the students with various instrumental methods of chemical analysis that scientists and engineers come across during their course work and research undertakings.

Dr. M. B. Pandit (Principal)

Dr. S. A. Patil (Vice Principal)

Dr. S. S. Patil (Course Coordinator)

Mr. Y. N. Dethe (Course Sub Coordinator)

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET Dept. of Chemistry

e of Teacher Dr. Sujata S. Patil

B.Sc. Time of Period 2:30 / 3:30 Hall No. 28 Subject

r No. Title of Teaching Topic Introduction of Course

: 02/01/2023 Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Rathod Jogesh		23	Irfan shaikh J.	
Payal Dive		24	Singh Saurabh Pratap	
Irfan. G. Shaikh		25	Bhale. dipali.	
Shaikh Mehek B. Zakar		26	Nirmal Avinash P	
Ashwini mudiraj		27	Paikrao Ganesh	
Kharat Pipali		28	Palsadevkar Vaibh	
Rathod Ritesh		29	Godse Priyanka	
Prashant Gavane		30	Nagre Anil. S	
Gayatri Ghadge		31	Palkrao Ganesh B	
Seni Khyatadak		32	Nirmal Avinash	
Aarti Bhapad O		33	Patole Sadhana	
Rohini Jadhav		34	Pakhre Saniya	
Sakshi Landge		35	Panchal Vishnu	
Pratima mhaske		36	Rathod Ritesh S	
Vaishnavi sable.		37	Pallvi kharat	
Prasad Solanke M		38	Pratima mhaske	
Vashinavi Gawade		39	Salve Aanand	
Vishal Ghumarat		40	salve disha s	
Pote varun		41	Pathole Gaurav P	
Nandani kondek		42	Pandhare Rupali	
Ahmad Alfiya Anjum		43	Rathod Ritesh	
Ravi. S. Shaha		44	Rathod Jogesh	

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

Name of Teacher Mr. Y.N. Dethe Dept. of Chemistry

Class B.Sc. Time of Period 3:30 / 4:30 Hall No. 28 Subject

Paper No. Title of Teaching Topic Introduction to spectroscopic

Date: 02/01/2024 Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Chaudhari		23	Irfan Shaikh S	
Payal Dive		24	Singh Saurabh Pratap S	
Irfan G. Shaikh		25	Bhalerao Dipali N.	
Shaikh Mehek B. Zakir		26	Nirmal Avinash P	
Alwaini Taqdiraj		27	Paikrao Ganesh	
Kharat Dipali		28	Palsadevkar Vaibhav	
Ritesh Rathod		29	Godse Priyanka	
Prashant Gavane		30	Nayne Anil S.	
Gayatri Ghadage		31	Paikrao Ganesh B	
Soni Gaytadak A.		32	Nirmal Avinash	
Aarti Bhalerao		33	Patole Sadhana	
Rohini Jadhav		34	Pakhre Sanya	
Sakshi Landage		35	Panchal Vishnu	
Pratima Mhaske		36	Rathod Ritesh S	
Vaishnavi Sable		37	Pallavi Kharat	
Prasad Solanke M		38	Sawant Jayshree	
Vaishnavi Gaware		39	Salve Arvind	
Vishal Ghumarat		40	Salve Disha S.	
Varun Potdar		41	Pathole Gaurav P	
Nandini Kardekar		42	Randhave Rupali	
Ahmad Alfiya Anjum		43	Rathod Ritesh	
Ravi S. Shaha		44	Rathod Yogesh	

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET Dept. of Chemistry

e of Teacher Mr. Y. N. Dethe

s B.Sc. Time of Period 2:30 / 3:30 Hall No. 28 Subject

er No. Title of Teaching Topic Introduction to spectroscopic

: 03/01/2024 Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Chandle		23	Irfan. Shaikh. S	
Payal Dive		24	Singh Saurabh Pratap.	
Irfan Gaffar Shaikh		25	Bhale Dipali V	
Shaikh Mehek B. Zaker	Mehek	26	Nirmal Avinash P	
Ashavini Modi Raja		27	Paikrao Ganesh	
Kharat Dipali		28	Palsadevkar Vaibav	
Ritsh Rathod		29	Godse Priyanka	
Pranshant Gavhane		30	Nagre Anil. S	
Gayatri Ghadage		31	Palkrao Gaush B	
Soni Gaffadak A.		32	nirmal. Avinash	
Aarti Bhakad O		33	Patole Sadhana	
Rohini Tadhave		34	Pakhre Suniya	
Sakshi Landage		35	Panchal Vishnu	
Pratima mhaske		36	Rathod Ritesh S	
Vaishanvi sable		37	Pallvi kharat	
Prasad Solanke M		38	Sawant Jayshree	
Vashnavi Gawade		39	Salve Arvind	
Vishal Ghumarat		40	Salve Dishas	
Potole varun.		41	Patole Gaurav P.	
Nandini Kardukar		42	Randhave Rupali	
Ahmad Alfiya Anjum		43	Rathod Ritsh S.	
Ravi. S. Shaha		44	Rathod Yogesh	

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

Dept. of Chemistry

Name of Teacher Mr. Y. N. Dethe

Class B.Sc. Time of Period 2:30 / 3:30 Hall No. 28 Subject

Paper No. Title of Teaching Topic Introduction to spectroscopic

Date: 04 / 01 / 2024 Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Ashwini Tapadinaj		23	Irfan Shaikh	
Payal Dive		24	Singh Saurabh Pratap	
Irfan. G. shaikh		25	Bhale Dipali N.	
Shaikh Mehek B. Zakir	Mehek	26	Nirmal Avinash P	
Babasaheb Chavan		27	Palsadevkar Vaibh	
Kharat Dipali		28	Godse Priyanka	
Rathod Ritesh	Ritesh	29	Godse Priyanka	
Prashant Gavane		30	Nagre Amit S.	
Gayatri Ghadge		31	Patkrao Ganesh B	
Soni Ganjtak. A.		32	Nirmal Avinash	
Aarti Bhakad O	Aarti	33	Patole Sadhana	
Rohini Jadhav		34	Paktre Saniya	
Sakhi Landage	Sukhi	35	Panchal Vishnu.	
Salve Arvind		36	Rathod Ritesh S	
Vaishnavi Sable		37	Pallavi kharat	
Prasad Solanke 19		38	Pratima mhaske	
Vashinavi Gawade		39	Salve Arvind	
Vishal Ghumarat		40	Salve Disha S.	
Pote Varun		41	Pathole Gaurav P	
Nandini kandekar		42	Randhave Rupali	
Ahmad Alfiya Anjum		43	Rathod Ritesh	
Ravi. S. Shaha		44	Rathod Mayesh.	

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET Dept. of Chemistry

ne of Teacher Dr. Sugata Patil

ss B.Sc Time of Period 2:30 3:30 Hall No. 28 Subject

er No. Title of Teaching Topic U.V. Visible Spectroscopy

: 5/01/2024 Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Choudhari	Chaudhari	23	Subhani Mohd. Fahad.	[illegible]
Payal - Dive	Payal	24	Singh Saurabh Pratapsingh	Saurabh
Irfan Gaffar Shaikh	Ishaikh	25	Bhale Dipali V.	Bhale
Shaikh Mehek Begum Z.	Mehek	26	Sanika thate	Sanika
Ashwini Mudiraj	Ashwini	27	Paikra Ganesh	Ganesh
Kharat Dipali	Dipali	28	Palsadevkar Vaibhav	Vaibhav
Pranshant Gauhane	Gauhane	29	Godse Priyanka	Priyanka
Gayatri Ghadage	Gayatri	30	Nagno Anil S.	Nagno
Gayatri Ghadge	Gghadge	31	Nirmal Avinash	Nirmal
Soni Gaytadak A.	Gaytadak	32	Nirmal Avinash	Anirmal
Arti Bhakad	Arti	33	Patale Sadhana	Shadhana
Rohini Jadhav	Jadhav	34	Pakhre Saniya	Saniya
Sakshi Landage O.	Sakshi	35	Panchal Vishnu.	[illegible]
Salve Arvind	Asalve	36	Patel Adeeba	Adeeba
Vaishnavi Sable	Sable	37	Pallavi Kharat	Pkharat
Prasad Solanke	Prasad	38	Pratima Mhaske	Mhaske
Vaishanavi Gaware	Gaware	39	Salve Arvind	Asalve
Vishal Ghumavat	Vishal G	40	Salve Disha S.	[illegible]
Pote varun	Pote	41	Pote Varun	Varun
Nandini Kandekar R.	[illegible]	42	Randhave Rupali	RRandhave
Ahmad Airiya	Ahmad	43	Rathod Ritesh	Ritesh
Ravi S. Shaha	Rshaha	44	Rathode Yogesh	[illegible]

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

Dept. of Chemistry

ne of Teacher Dr. Sujata S. Patil

ss B.Sc. Time of Period 2:30 / 3:30 Hall No. 28 Subject

er No. Title of Teaching Topic Analytical Techniques

e: 05/01/2023 Signature of Teacher SPatil

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Chaudhri	[signature]	23	Irfan Shaikh	Ishaikh
Payal Dive	[signature]	24	Singh Saurabh Pratap	Saurabh
Irfan G. Shaik	Ishaik	25	Bhole dipali	Bbhole
Shaikh Mehek B. Zakir	[signature]	26	Nirmal Avinash P	Avinash
Ashwini Mudiroy	[signature]	27	Paikravo Ganesh	[signature]
Kharat Dipali	[signature]	28	Palsadevkar Vaibhav	Vaidhav
Rathod Ritesh	Ritesh	29	Godse Priyanka	Priyanka
Prashant Gavane	Pravane	30	Nagre Anil	Anagre
Gayathi Ghadge	[signature]	31	Paikrao Ganesh B	[signature]
Sani Gayatadak	[signature]	32	Nirmal Avinash	Anirmal
Aarti Bhakad O	[signature]	33	Patole Sadhana	Sadhana
Rohini Jadhav	Jadhav	34	Pakhre Saniya	Saniya
Sakshi Landge	Sakshi	35	Rathod Nagesh	Rnagesh
Pratima mhaske	[signature]	36	Rathod Ritesh S	Ritesh
Vaishnavi Sable.	Vsable.	37	Pallavi Kharat	Pkharat
Prasad Solanke M	[signature]	38	Pratima mhaske	Pmhaske
Vashinavi Gaware	[signature]	39	Salve Arvind	Arvind
Vishal Ghumavat	Vishal G.	40	Sawant Jayashree	SJayashri
Pote Varun	[signature]	41	Pathole Gaurav P	[signature]
Nandini Khandekar	Khandini	42	Randhave Rupali	Randhave
Ahmad Alfiya Anjun	Alfiya	43	Rathod Ritesh	Ritesh
Ravi S. Shaha	RSshaha	44	Salve Disha	Dsalve

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

Dept. of chemistry

me of Teacher Dr. Sujata patil

ss BSc Time of Period 2:30 / 3:30 Hall No. 28 Subject

er No. Title of Teaching Topic Turbidimetry, Reflectance Spectrometry

e: 6/10/2024

Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Choudhari	[signature]	23	Irfan shaikh	Shaikh
Payal Dive	Payal	24	Singh saurabh	Saurabh
Irfan Gaffar shaikh	Ishaikh	25	Bhale Dipali V.	Bhale
Shaikh Mehek B. Zakir	Mehak	26	Nirmal Avinash P	Avinash
Ashwini Tgudiray	[signature]	27	Paikrao Ganesh	Ganesh
Kharat Dipali	Kharat	28	Palsadevkar Vaibav	Vaibhav
Rathod Ritesh	Ritesh	29	Godse Priyanka	Pgodse
Prashant Gavhane	Pravhane	30	Nagre Anil S.	[signature]
Gaytri Ghadge	Ghadge	31	Paikrao Ganesh B.	[signature]
Sani Gaytadak A.	[signature]	32	Nirmal Avinash	Anirmal
Aarti Bhakad O.	Aarti	33	Patole Sadhana	Sadhana
Rohini Jadhav	RJadhav	34	Pakhre Saniya	Saniya
Sakshi Landge	Sakshi	35	Rathod Yogesh S.	[signature]
Pratima mhaske	[signature]	36	Rathod Ritesh S	Ritesh
Vaishnavi Sablek	[signature]	37	Pallavi Kharat	Pkharat
Prasad Solanke M	Solanke	38	Pratima mhaske	Pmhaske
Vaishnavi Gawade	Gawade	39	Salve Arvind	Asalve
Vishal Ghumarat	Vishal	40	Sawant Jayshree	[signature]
Pote varun	Pvarun	41	Patole Gaurav D.	Patole
Nandini Kandekar R	[signature]	42	Randhave Rupali	Randhave
Ahmad Alfiya Anjun Md. Tak	[signature]	43	Rathod Ritesh	Ritesh
Ravi S. Shaha	RShaha	44	Salve Disha S.	Salve

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

Dept. of Chemistry

...e of Teacher Dr. Sujata patil.

...s BSC Time of Period 2:30 / 4:30 Hall No. 28 Subject

...er No. Title of Teaching Topic Phosphorescence Spectrometry.

...: 7/01/2024

Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Rathod Yogesh.	[signature]	23	Irfan shakh S.	[signature]
Payal Pire	[signature]	24	Singh Saurabh Pratap S	Saurabh
Irfan G. Shaikh	Irfan	25	Bhole Dipali S.	[signature]
Shaikh Mehek. B.Z.	Mehek	26	Nirmal Avinash P	Avinash
Ashwini Mudimaj	[signature]	27	Paikrao Ganesh	Ganesh
Kharat Dipali	Dipali	28	Rasulvekar Vaishali	Vaishali
Rathod Ritesh	[signature]	29	Godse Priyanka	Priyanka
Prashant Grahe	[signature]	30	Nagre Anil S.	[signature]
Gayatri Ghadge	Gayatri	31	Paikrao Ganesh B	[signature]
Sani Gaffadak. A.	[signature]	32	Nirmal Avinash	[signature]
Aarti Bhakad O	[signature]	33	Patole Sadhna	
Rohini Jadhav	Rohini	34	Pakhre Saniya	Saniya
Sakshi Landge	Sakshi	35	Panchal Vishnu.	[signature]
Pratima mhaske	[signature]	36	Rathod Ritesh S.	Ritesh
Vaishnavi Sable.	Vsable	37	Pallavi Kharat	[signature]
Prasad Solanke	Solanke	38	Sawant Jayshree	[signature]
Vaishnavi Grahe	Vaishnavi	39	Salve Aarvind	Aarvind
Vishal Ghumavat	Vishal G.	40	Salve Disha S.	[signature]
Pote varun	[signature]	41	Pathole Gaurav P	Gaurav
Nandini Kardekar	[signature]	42	Randhav Rupali	
Ahmad Alfiya Anjun	Alfiya	43	Rathod Ritesh	Ritesh
Ravi S. Shaha	Ravi	44	Rathod Yogesh	[signature]

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

Name of Teacher: Mr. V. N. Dethe Dept. of: Chemistry

Class: _____ Time of Period: 2:30 / 3:30 Hall No.: 28 Subject: _____

Paper No.: _____ Title of Teaching Topic: Flame Emission and ---

Date: 09/10/2024 Signature of Teacher: [signature]

Sr. No.	Name of Student	Signature	Sr. No.	Name of Student	Signature
	Babasaheb Choudhuri	[signature]	23	Irfan shaikh - S	[signature]
	Payal Dive	[signature]	24	Singh saurabh Pratap S	[signature]
	Irfan Gaffar shaikh	[signature]	25	Bhale Dipali V.	[signature]
	Shaikh Bhehak B. Zaker	[signature]	26	Nirmal Avinash P	[signature]
	Ashwini Mudiraj	[signature]	27	Paikrao Ganesh	[signature]
	Kharat Dipali	[signature]	28	Palasadevker Vaibav	[signature]
	Ritesh Rathod	[signature]	29	Godse Priyanka	[signature]
	Pranshanti Gavhane	[signature]	30	Nagre Anil S.	[signature]
	Gayatri Ghadge	[signature]	31	Paikrao Ganesh	[signature]
	Sani Gayatadak A.	[signature]	32	Nirmal Avinash	[signature]
	Aarti Bhakad O	[signature]	33	Patole Sadhana	[signature]
	Rohini Jadhav	[signature]	34	Pakhre Saniya	[signature]
	Sakshi Landge	[signature]	35	Panchal Vishnu.	[signature]
	Pratima mhaske	[signature]	36	Rathode Ritesh S	[signature]
	Vaishnavi Sablek	[signature]	37	Pallvi Kharkat	[signature]
	Prasad Solanke M	[signature]	38	Payal dive	[signature]
	Vaishnavi Gaware	[signature]	39	Salve Aarvind	[signature]
	Vishal Ghumarat	[signature]	40	Salve Disha S.	[signature]
	Potole varun	[signature]	41	Patole Gaurav P	[signature]
	Nandini Khandekar	[signature]	42	Randhave Rupali	[signature]
	Ahmad Alfiya Anjum	[signature]	43	Rathod Ritesh	
	Ravi S. Shana	[signature]	44	Rathode Yogesh. S.	[signature]

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

e of Teacher Mr. Y. N. Dethe Dept. of Chemistry

s B.Sc. Time of Period 2:30 / 3:30 Hall No. 28 Subject

r No. Title of Teaching Topic Flame Emission

: 10 / 01 / 2024 Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Rathod Nagesh.		23	Tefan Shaikh	
Payal Dive		24	Singh Saurabh Pratap	
Izfan Gaffar shaikh		25	Bhole Dipali	
Shaikh Mehek B. Zakes		26	Nirmal Avinash P	
Ashwini Mudiraj		27	Paikra Ganesh.	
Kharat Dipali		28	Palsadeker Vaibav	
Rathod Ritesh		29	Godse Priyanka	
Prashant Gavhane		30	Nagre Anil	
Gayatri Ghadage		31	Pakhare Ganesh B	
Soni Gayatadak A.		32	Nirmal Avinash	
Arti Bhakad O		33	Patote Sadhana	
Rohini Jadhav		34	Pakhre saniya	
Sakshi Landage		35	Panchal vishnu	
Salve Arvind		36	Rathode Ritesh S	
Vaishnavi sable.		37	Pallavi kharat	
Prasad solanke M		38	Pradima mhaske	
Vaishnavi Gaware		39	Salve Arvind	
Vishal Ghumavat		40	Salve Disha S.	
Pote Varun		41	Patole Gaurav P	
Nandini kondekar		42	Randhave Rupali	
Ahmad Alfiya Anjum		43	Rathod Ritesh S.	
Ravi. S. shaha		44	Babasaheb Chavi	

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

Dept. of Chemistry

e of Teacher Mr. Y. N. Dethe

s B.Sc. Time of Period 2:30 / 3:30 Hall No. 28 Subject

r No. Title of Teaching Topic Flame Emission

: 11/01/2024

Signature of Teacher [signature]

Name of Student	Signature	Sr. No.	Name of Student	Signature
Rothod Jogesh	[signature]	23	Irfanshaikh S	[signature]
Payal Dive	[signature]	24	Singh Saurabh Pratap	Saurabh
Irfan Gaffer Shaikh	[signature]	25	Bhale dipali S	[signature]
Shaikh Mehek B. Zakor	[signature]	26	Nirmal Avinash P	Avinash
Ashwini Mudirey	[signature]	27	Paikrao Ganesh	Ganesh
Kharat Dipali	[signature]	28	Palasdevab Vaibav	Vaibha
Rothod Ritesh	[signature]	29	Godse Priyanka	Priyanka
Pranhant Gauhane	[signature]	30	Nagre Anil S	[signature]
Gayatri Ghadaye	[signature]	31	Paikrao Ganesh B	[signature]
Sani Gaytadal. A	[signature]	32	Nirmal Avinash	[signature]
Aarti Bhakad O	[signature]	33	Patole Sadhana	Sadhana
Rohini Jadhav	[signature]	34	Pakhre Saniya	Saniya
Sakshi Landge	[signature]	35	Panchal Vishnu	[signature]
Pratima mhaske	[signature]	36	Rathod Ritesh S	Ritesh
Vaishnavi Sable	[signature]	37	Pallvi Kharat	[signature]
Prasad Solanke M	[signature]	38	Pratima mhaske	[signature]
Vashinavi Gaware	[signature]	39	Salve Aarvind	Aarvind
Vishal Ghumarat	[signature]	40	Salve disha. S.	[signature]
Pote varun	[signature]	41	Pathole Gaurav P	Gaurav
Nandani . Kondekar	[signature]	42	Randhave Rupali	[signature]
Ahmad Alfiya Anjum	[signature]	43	Rathod Ritesh S.	Ritesh
Ravi S. Shaha	[signature]	44	Babasahab Chandar	[signature]

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

Name of Teacher (Dr. Sujata patil. Dept. of Chemistry

Class B.Sc Time of Period 2:30 / 3:30 Hall No. 28 Subject

Paper No. Title of Teaching Topic Inductively Coupled plasma atomic emission Spectroscopy.

Date: 12/01/2024 Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Rathod Nagesh		23	Irfan Shaikh	
Payal Dive		24	Singh Saurabh Pratap	
Irfan Gr. Shaikh		25	Bhale Dipali N.	
Shaikh Mehek B Zakir		26	Nirmal Avinash P	
Ashwini Yadiraj		27	Paikrao Ganesh	
Kharat Dipali		28	Pulsalvekar Vaishali	
Rathod Ritesh		29	Godse Priyanka	
Prashant Ghuge		30	Nagre Anil S.	
Gayatri Ghadge		31	Paikrao Ganesh B	
Sori Gayatak A		32	Nirmal Avinash	
Aarti Bhakad O		33	Pathole Sudhana	
Rohini Jadhav		34	Pakhre Saniya	
Sakshi Landge		35	Panchal Vishnu	
Pratima mhaske		36	Rathode Ritesh S	
Vaishnavi Sable.		37	Pallavi kharat	
Prasad Solanke M		38	Pratima mhaske	
Vaishnavi Ghuge		39	Salve Aarvind	
Vishal Ghumarat		40	Salve Disha S.	
Pote varun		41	Pathole Gaurav P	
Nandini kandekar		42	Randhare Rupali	
Ahmad Alfiya Anjum		43	Rathod Ritesh	
Ravi S. Sahu		44	Rathod Nagesh	

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET Dept. of Chemistry

me of Teacher Dr. Sujata. Patil

ss BSc Time of Period 2:30 / 3:30 Hall No. 28 Subject

er No. Title of Teaching Topic I.R. Spectroscopy

e: 13/10/2024 Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Chaudhari		23	Pratima mhaske	
Payal Dive		24	Singh Saurabh Pratap	
Salem Gaffar Shaikh		25	Bhale (1) ipali V.	
Shaikh Mehek B. Zakar		26	Nirmal Avinash P	
Ashwini Mudiraj		27	Paikrao Ganesh	
Kharat Dipali		28	Palsdevkar Vaibav	
Rathod Ritesh		29	Godse Priyanka	
Pranshat Gavhane		30	Nagre Anil S.	
Gayatri Ghadge		31	Paikrao Ganesh B	
Soni Gayatadak A.		32	nirmal Avinash	
Aarti Bhakad O		33	Patole sadhana	
Rohini Jadhav.		34	Pakhre Soniya	
Saksh Landge		35	Pandhal Vaishnavi	
Salve Arvind		36	Rathod Ritesh S	
Sable Vaishnavi		37	Pallvi kharat	
Prasad Solanke M.		38	Irfan Shaikh	
Vaishnavi Gawade		39	Salve Aravind	
Nishal Ghumarel		40	Salve Disha. S.	
Pote varad		41	Pathole Gaurav P	
Nardini kardekar		42	Randhave Rupali	
Ahmad Alfiya Anjum		43	Rathod Ritesh S.	
Ravi. S. shaha		44	Pathede Yogesh. S.	

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET Dept. of Chemistry

e of Teacher Dr. Sujata Patil

s BSc Time of Period 2:30 / 4:30 Hall No. 28 Subject

er No. Title of Teaching Topic I.R. Spectroscopy

:14/0/2024 Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Chaudhari		23	Irfan Shaikh	Shaikh
Payal Dive	Payal	24	Singh saurabh Pratap	Saurabh
Tofeen G. Shaikh		25	Bhalerao Dipali V.	
Shaikh Mehak B Zakir		26	Nirmal Avinash P	Avinash
Ashwini Mudiraj		27	Paikrao Ganesh	Paikrao
kharat Dipali		28	Palasadvkar Vaibav	Valshe
Rathod Ritesh		29	Godse Priyanka	Priyanka
Prashant Gavahe		30	Nagare Anil. S.	
Gayatri Ghadge		31	Paikrao Ganesh B	
Soni Gayakwadak. A		32	Nirmal Avinash	Nirmal
Aarti Bhakad O		33	Padole sadhna	Sadhna
Rohini Jadhav		34	Pakhre Saniya	Saniya
Sakshi Landge		35	Panchal Vishnu.	
Pratima mhaske		36	Rathode Ritesh	
Vaishnavi sable.		37	Pallvi kharat	
Prasad Solanke M		38	Salve Animal A.	Salve
Vaishnavi Gaware		39	Salve Aarvind	Aravind
Vishal Ghumavat		40	Salve Disha. S.	
Pote Vakun. G.		41	Pathole Gaurav P	
Nandini Kandekar.		42	Randhav Rupali	
Ahmad Alfiya Anjun		43	Rathod Ritesh	Ritesh
Ravi. S. Shaha.		44	Rathode Yogesh	

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

me of Teacher Mr. Y. N. Dethe Dept. of Chemistry

ss B.Sc. Time of Period 2:30 / 3:30 Hall No. 28 Subject

er No. Title of Teaching Topic Introduction to NMR

e: 16/01/2024

Signature of Teacher [signature]

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Choudhari	[signature]	23	Irfan Shaikh.	[signature]
Payal Dive	[signature]	24	Singh Saurabh Pratap	[signature]
Irfan G. Shaikh	[signature]	25	Bhole Dipali V.	[signature]
Shaikh Mehek B. Zakir	Mehek.	26	Nirmal Avinash P	[signature]
Ashwini Mudiray	[signature]	27	Paikrao Ganesh	[signature]
Kharat Dipali	[signature]	28	Palasdaukar Vaibhav	[signature]
Rathod Ritesh.	[signature]	29	Godse Priyanka	[signature]
Prashant Gavane	[signature]	30	Nagre Anil S.	[signature]
Gayatri Ghadage	[signature]	31	Paikroa Ganesh B	[signature]
Sani Gayatadak	[signature]	32	Nirmal Avinash	[signature]
Aarti Bhakad O	[signature]	33	Potale Sachaine	[signature]
Rohini Jadhav	[signature]	34	Pakhre Saniya	[signature]
Sakshi Landge	Saksho	35	Rathod Nagesh S.	[signature]
Salve Arvind A.	[signature]	36	Rathode Ritesh S	[signature]
Vaishnavi Sable.	[signature]	37	Pallavi Kharat	[signature]
Prasad Solanke	[signature]	38	Pratima Mhaske	[signature]
Vashianiv Gaware	[signature]	39	Salve Aarvind	[signature]
Vishal Ghumavat	Vishal G	40	Sawant Jayashree.	[signature]
Pote Varun G	[signature]	41	Pathole Gaurav P	[signature]
Nandini Kardekar.	[signature]	42	Randhave Rupali	[signature]
Ahmad Alfiya Anjum	[signature]	43	Rathod Ritsh S.	Ritsh
Ravi. S. Shaha	[signature]	44	Salve Disha S.	[signature]

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

Name of Teacher Mr. Y. N. Pethe Dept. of Chemistry

Class B.Sc. Time of Period 2:30 / 3:30 Hall No. 28 Subject

Paper No. Title of Teaching Topic Introduction to NMR

Date: 17/01/2024 Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Chaudhri		23	Irfan Shaikh	
Payal Dive		24	Singh Saurabh Pratabsi	
Irfa Gaffer shakih		25	Bhale Dipali V	
Shaikh Mehek Zaker	Mehek	26	Nirmal Avinash P	
Ashavini Modi Roja		27	Paikrao Ganesh	
Khaiat Pipali		28	Palsadekar Vaibav	
Rathod Ritesh		29	Godse Priyanka	
Pranshanti Gavhane		30	Nagre Anil.S	
Gayatri Ghadage		31	Patkrao Ganesh B	
Gani Gaytadak A.		32	Nirmal Avinash	
Aarti Bhalcad O		33	Patole Sadhana	
Rohini Jadhav		34	Pakhre Sanya	
Sakshi Landage		35	Panchal Vishnu	
Salve Arvind		36	Rathod Ritesh S	
Vaishnavi Sable		37	Pallavi khaeat	
Prasad Solanke 11		38	Pratima mhaske	
Vashinavi Gawade		39	Salve Arvind	
Vishal Ghumarat		40	Salve Disha.S	
Pote Varun		41	Pathole Gaurav P.	
Nandini Kardukar		42	Randhave Rupali	
Ahmad Alfiya Anjum		43	Rathod Ritesh	
Ravi S. Shaha		44	Rathod Yogesha	

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

e of Teacher Mr. Y. N. Dethe Dept. of Chemistry

s B.Sc. Time of Period 2:30 / 3:30 Hall No. 28 Subject

r No. Title of Teaching Topic Introduction to NMR

: 18/01/2024 Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Chaudri		23	Pratima mhaske	
Payal Dive		24	Singh Saurabh Pratap	
Irfan G. Shaikh		25	Bhole Dipali V.	
Shaikh Mehek B. Zakir		26	Nirmal Avinash P	
Ashwini Mudiraj		27	Paikrao Ganesh	
Kharat Dipali		28	Palsadevkar Vibha	
Rathod Ritesh		29	Godse Priyanka	
Prashant Gavane		30	Nagre Anil S.	
Gayatri Ghadge		31	Paikrao Ganesh B	
Soni Gayatadak.		32	Niraml Avinash	
Aarti Bhakad O		33	Patole Sadhana	
Rohini Jadhav		34	Paktre Sanjya	
Sakshi Landge		35	Rathod Yogesh S.	
Salve Arvind		36	Rathod Ritesh S	
Vaishnavi Sable.		37	Pallavi kharat	
Prasad Solanke M		38	Irfan Shaikh	
Vashinavi Gawade		39	Salve Aarvind	
Nishal Ghumarat		40	Sawant Jayshree.	
Pote Nayan		41	pathole Gaurav P	
Nandini Khandekar		42	Randhave Rupali	
Ahmad Alfiya Aijun		43	Rathod Ritesh	
Ravi S. Sahaha.		44	Salve Disha S.	

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET Dept. of Chemistry

of Teacher Dr. Sujata patil

B.Sc Time of Period 2:30 3:30 Hall No. 28 Subject

No. Title of Teaching Topic I.R. Spectroscopy,

19/01/2024

Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Choudhari	[signature]	23	Sandhya Shirale M.	Shirale
Dayal Dive	[signature]	24	Singh Saurabh Pratapsingh	Saurabh
Irfan Gaffar shaikh	Ishaikh	25	Bhate Dipali V.	[signature]
Shaikh Mehak Begam Zakir	[signature]	26	Sanika thate	Sanika
Ashwini Tgudinaj	[signature]	27	Priyanka Ugade	Priyanka
Kharat Dipali	Dipali	28	Palas devkar vaibav	Vaibave
Aakash Ranpise	Aakash	29	Godse Priyanka	Priyanka
Prashant Gavhare	Gavhare	30	Nagre Anil S.	[signature]
Gayatri Ghadage G.	[signature]	31	Nirmal Aurirash	[signature]
Sani Gayatadak A.	[signature]	32	Palkrao Ganesh B	Ganesh
Arati ~~Gayatadak~~ Bhakal	Arati	33	Patole sadhana S	Sadhana
Rohini Jadhave	RJadhave	34	Pakhre Saniya	Saniya
Sakshi Landage	Sakshi	35	Ranchal vishnu	[signature]
Misal Rutuja	Rutuja	36	Patel Adaba	Adaba
Vaishnavi Sable	[signature]	37	Pathan Abubkar H	Pathan
Prasad Salamke	Prasad	38	Pratima mhaske	[signature]
Vaishnavi R. Gaware	VGaware	39	Salve Arvind	Arvind
Vishal Ghumavat	Vishal G.	40	Salve Disha S.	[signature]
Giri Amruta	Giri	41	Pate Varun	Varun
Nandini Kandekar	[signature]	42	Randhave Rupali	Rupali
Ahmad Airiya	Ahmad	43	Rathod Ritesh S.	Ritesh
Ravi Shaha	Shahar	44	Rathode Yogesh S.	[signature]

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

...e of Teacher Dr. Sujata Patil Dept. of Chemistry

...s B.Sc. Time of Period 8:30 / 8:30 Hall No. 28 Subject

...r No. _____ Title of Teaching Topic Introduction to X-ray tech.

...: 20/10/2024

Signature of Teacher _____

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Choudhuri	[signature]	23	Irfan Shaikh	[signature]
Payal Pive	Payal	24	Singh Saurabh Pratap S.	Saurabh
Tefan. G. Shaikh	[signature]	25	Bhali Dipali V.	[signature]
Shaikh Mehek B Zaker	Mehek.	26	Nirmal Avinash P	[signature]
Ashwini Mudiraj	[signature]	27	Palkaro Ganesh.	[signature]
Kharat Dipali	Dipali	28	Palsadevkar Vaibav	Vaibav
Rathod Ritesh	[signature]	29	Godse Priyanka	Priyanka
Parshant Gavane	[signature]	30	Nagre Anil S.	[signature]
Gayatri Ghadage	Gayatri.	31	Palkrao Ganesh B	[signature]
Sani Gaytadak A.	[signature]	32	Nirmal Avinash.	[signature]
Aarti Bhakad O	Aarti	33	Patole Sadhna.	[signature]
Rohini Jadhav	[signature]	34	Pakhre Saniya	Saniya.
Sakshi Landage	Sakshi	35	Panchal Vishnu.	[signature]
Salve Arvind	[signature]	36	Rathode Ritesh S	Ritesh
Vaishnavi Sable	[signature]	37	Palkavi Kharat.	[signature]
Prasad Solanke M	[signature]	38	Pratima Maske.	[signature]
Vashinavi Gawade	[signature]	39	Salve Arvind	Arvind
Vishal Ghumavat	Vishal G.	40	Salve Disha S.	[signature]
Patole Garun.	[signature]	41	Pathole Gaurav P	Gaurav
Nandini Kandekar.	[signature]	42	Randhave Rupali	[signature]
Ahmad Alfiya Anjun	Alfiya	43	Rathod Ritsh	Ritsh.
Ravi S. Shaha.	[signature]	44	Rathod Yogesh.	[signature]

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

Name of Teacher Dr. Sujata Patil Dept. of Chemistry

Class B.Sc Time of Period 2:30 / 4:30 Hall No. 28 Subject

Paper No. Title of Teaching Topic XRF.

Date: 2/10/2024

Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Choudhari	[signature]	23	Irfan Shaikh	Ishaikh
Shaikh Mehek B. Zakar	Mehek	24	Singh Saurabh Pratapria	Saurabh
Irfan G. Shaikh	Shaikh	25	Bhale Dipali A.	[signature]
Payal Dive	Payal	26	Nirmal Avinash P	[signature]
Ashwini Mudiraj	Ashwini	27	Paikrao Ganesh	Gpaik
Kharat Dipali	Dipali	28	Palsadevekar Vaibav	Vaibhav
Rathod Ritesh	Ritesh	29	Godse Priyanka	Priyanka
Prashant Gavane	[signature]	30	Nagre Anil. S.	[signature]
Gayatri ghadage	Gayatri	31	Paikrao Ganesh B	Gan
Sani Gayatak A.	Sani	32	Nirmal Avinash	Nirmal
Aarti Bhakad O	Aarti	33	patole sadhna	Spatole
Rohini Jahdhav	Rjahdhav	34	Pakhre Saniya	Saniya
Sakshi Landage	Sakshi	35	Panchal Vishnu.	[signature]
Pratima mhaske	Smhaske	36	Rathod Ritesh S.	Ritesh
Vaishnavi sable	Vsable	37	Pallavi kharat	Pkharat
Prasad Solanke M	Solanke	38	vaishnavi Gaware	Gaware
Vashinavi Gawar	[signature]	39	Salve Arvind	Arvind
Vishal Ghumavat	Vishal G.	40	Salve Disha S.	[signature]
Pote Varun	Pvarun	41	pathole Gaurav P.	Gaurav
Naudini Kandekar	[signature]	42	Randhave Rupali	Randhave
Ahmad Alfiya Anjun	Alfiya	43	Rathod Ritsh S.	Ritsh
Ravi S. Sahakar	Sahakar	44	Rathod Yogesh	[signature]

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET Dept. of Chemistry

of Teacher Dr. Y. N. Dethe

B.Sc. Time of Period 2:30 / 3:30 Hall No. 28 Subject

r No. Title of Teaching Topic Electro. Analytical technique

: 23/01/2024 Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Chaudasi		23	Pratima mhaske	
Payal Dive		24	Singh Saurabh Pratapsin	
Irfan Gaffar shaikh		25	Bhale . DiPali . V.	
Shaikh Mehek B. Zaker		26	Nirmal Avinash P	
Ashwini Mudiraj		27	Paikrao Ganesh	
Kharat Dipali		28	Palsadevkar Vaibhav	
Rothod Ritesh		29	Godse Priyanka	
Pranshant Gavhane		30	nagre Anil . R	
Gayatri Ghadge		31	Paikrao Ganesh B	
Sani Gayafadak A.		32	Nirmal Avinash	
Aarti Bhakad O		33	Patole sadhana	
Rahini Fo Jadhav		34	Pakhre Sanjya.	
Srushti Landge		35	Panchal vishnu	
Salve Arvind		36	Rathod Ritesh S	
vaishanvi sable		37	Pallvi kharat	
Prasad Solanke 77		38	Irfan Shaikh	
Vaishanvi Gawate		39	Salve Aravind	
Vishal Ghumavat		40	Salve disha . S	
Potole Varun		41	Pathole Gaurav P	
nandini kardekar		42	Randhave Rupali	
Ahmad Alfiya Anjum		43	Rathod Ritesh	
Ravi s. shaha		44	Rathod Jogesh	

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

me of Teacher Mr. Y. N. Dethe Dept. of Chemistry

ss B.Sc. Time of Period 2:30 / 3:30 Hall No. 28 Subject

er No. Title of Teaching Topic Electro Analytical technique

e: 24/01/2024 Signature of Teacher [signature]

Sr. No.	Name of Student	Signature	Sr. No.	Name of Student	Signature
	Babasaheb Choudhari	[signature]	23	Irfan Shaikh S.	[signature]
	Payal Dive	Payal	24	Singh Saurabh Pratap S.	Saurabh
	Irfan Gaffar Shaikh	Ishaikh	25	Bhale Dipali V.	[signature]
	Shaikh Mehek B. Zaker	Mehek.	26	Nirmal Avinash P	Avinash
	Ashwini Mudiraj	[signature]	27	Paikrao Ganesh	Ganesha
	Kharat Dipali	Dipali	28	Palsdevkar Vaibav	Vaibav
	Rothod Kharht	[signature]	29	Godse Priyanka	Priyanka
	Prashant Gavhane	[signature]	30	Nagme Anil S.	[signature]
	Gayatri Ghadge	[signature]	31	Paikrao Ganesh B	Ganesh
	Soni Gayafadak A.	[signature]	32	Nirmal Avinash	[signature]
	Aarti Bhakad O	Aarti	33	Patole Sadhana	Sadhana
	Rohini Jadhav	[signature]	34	Pakhre Suniya	Suniya
	Sukshi Landge	Sukshi	35	Panchal Vishnu	[signature]
	Pratima Mhaske	[signature]	36	Rathode Ritesh S	Ritesh
	Vaishnavi Sable	[signature]	37	Pallvi Kharht	[signature]
	Prasad Solanke M	Solanke	38	Vaishnavi Gaware	[signature]
	Vaishnavi Gaware	[signature]	39	Salve Anvind	Anvind
	Vishal Ghumavat	Vishal G.	40	Salve Disha. S.	[signature]
	Patole Varan	[signature]	41	Pathole Gaurav P	Gaurav
	Nandini Kandekar.	[signature]	42	Randhave Rupali	[signature]
	Ahmad Alfiya Anjum	Alfiya	43	Rathod Ritesh	Ritesh
	Ravi. S. Shaha	[signature]	44	Rathode Yogesh. S.	[signature]

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

...e of Teacher Mr. Y. N. Dethe Dept. of Chemistry

...s B.Sc Time of Period 2:30 / 3:30 Hall No. 28 Subject

...er No. Title of Teaching Topic Electro Analytical technique

...: 25/01/2024

Signature of Teacher [signature]

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Chaudhari	[signature]	23	Irfan Shaikh	Ishaikh
Payal Dive	Payal	24	Singh Saurabh Pratap	Saurabh
Irfan G. Shaikh	[signature]	25	Bhale Dipali V.	[signature]
Shaikh Mehek B. Zafar	Mehek.	26	Nirmal Avinash P	Avinash
Ashwini Mudiraj	[signature]	27	Paikrao ganesh	[signature]
Kharat Dipal	Dipali	28	Palasdukre Vaibav	Vaibha
Rathod Ritesh	Ritesh	29	Godse Priyanka	Priyanka
Prashant Gavane	[signature]	30	Nagre Anil S.	[signature]
Gayatri ~~Jadhav~~ Ghadge	Gayatri	31	Paikrao Ganesh B	[signature]
Soni Ganjadak A.	[signature]	32	Nirmal Avinash	Anirma
Aarti Bhakad O	Aarti	33	Potode Sadhna	Sadhna
Rohini Jadhav	[signature]	34	Pakhre Saniya	Saniya
Sakshi Landage	Sakshi	35	Parchal Vishnu.	[signature]
Pratima Mhaske	Pmhaske	36	Rathod Ritesh S.	[signature]
Vaishnavi Sable.	Osable	37	Pallavi Kharat	Pkharat
Prasad Solanke M	[signature]	38	Payal Dive	Payal
Vashinavi Gaware	[signature]	39	Salve Arvind	Arvind
Vishal Ghumavat	Vishal G.	40	Sahre Disha S.	[signature]
Pote Varun	Dpots.	41	Pathole Gaurav P	Gaurav
Nandini Kandekar. R	[signature]	42	Ranchave Rupali	[signature]
Ahmad Alfiya Anjum	[signature]	43	Rathod Ritsh	Ritsh.
Ravi S. Sahaha	[signature]	44	Rathode Mogesh	[signature]

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

Dept. of Chemistry

of Teacher Dr. Sujata Patil

B.Sc. Time of Period 2:30 3:30 Hall No. 28 Subject

r No. Title of Teaching Topic Chromatographic Analysis

: 27/01/2024

Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasaheb Chaudhri	Bavandi	23	Subhani Nand Patil	[illegible]
Payal Dive	Payal	24	Singh Saurabh Pratap	Saurabh
Irfan Gaffar Shaikh	Ishaikh	25	Bhale Ripali	Bhale
Shaikh Mehak begam zafar	Mehak	26	Sanika thote	Sanika
Ashwini Tudiraj	Ashwini	27	Paikrao Ganesh	Ganesh
Kharat Dipali	Dipali	28	Palsadevkar Vaibav	Vaibav
Rathod Ritesh	Ritesh	29	Godre Priyanka	Priyanka
Prashant Gavhane	Gavhane	30	Nagre Anil	Anagre
Gaytri ghadge	Gayatri	31	Nirmal Avinash	Nirmal
Sami Gaytadak	Sami	32	Nirmal Avinash	Anirmal
Arti Bhakad	Arti	33	Palote Sadhana	Sadhana
Rohini Jadhav	Rsadhav	34	Pakhre Saniya	Saniya
Sakshi Landage	Sakshi	35	Rathod Nagesh	Rnagesh
Salve Arvind	Asalve	36	Patel Adeeba	Adeeba
Vaishnavi Sablek	Vishak	37	Pallavi Kharat	Pkharat
prasad Solanke	Prasad	38	Pratima Mhaske	Pmhaske
Vaishnavi Gaware	Gaware	39	Salve Arvind	Arvind
Vishal Ghumavat H.	Vishal G.	40	Sawant Jayashree	Sjayes
Pote varun	Pote	41	Pote Varun	Varun
Nandani Kandelar	[illegible]	42	Randhave Rupali	Rupali
Ahmad Aipiya	Ahmad	43	Rathod Ritesh	Ritesh
Ravi.s shaha	Rashaha	44	Salve Disha	Dsalve

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET

Name of Teacher: Dr. Sujata patil Dept. of Chemistry

Class: BSC Time of Period: 2:30 / 4:30 Hall No. 28 Subject

Paper No. Title of Teaching Topic: GC, LC, HPLC.

Date: 28/01/2024

Signature of Teacher

Sr. No.	Name of Student	Signature	Sr. No.	Name of Student	Signature
	Babasaheb chaudhari	[signature]	23	Irfan sheikh S	[signature]
	Payal Dive	payal	24	Singh Saurabh Pratap S	Saurabh
	Irfan Gaffer shaik	[signature]	25	Bhale Dipali V.	Bhale
	Shaikh mehek B. Zakar	Mehek	26	Nirmal Avinash P	[signature]
	Ashwini Mudinaj	[signature]	27	Paikrao Ganesh	Ganesh
	Khacat Dipali	[signature]	28	Palasdevkar Vaibav	Vaibav
	Ritesh Rothod	[signature]	29	Godse Priyanka	Priyanka
	Prashant Gavane	[signature]	30	Nagre Anil S.	Nagre
	Gayatri Ghadage	[signature]	31	Paikroo Ganesh B	Ganesh
	Soni Gaytadak A.	[signature]	32	Nirmal Avinash	[signature]
	Aarti Bhakad O	Aarti	33	Patole Sadhana	Sadhana
	Rohini Jadhav	[signature]	34	Pakhre Saniya	Saniya
	Sakshi Landage	Sakshi	35	Pandhal Vishnu.	[signature]
	Pratima mhaske		36	Rathode Ritesh S	[signature]
	Vaishnavi Sable K	[signature]	37	Pallvi Kharth	[signature]
	Prasad Solanke M	[signature]	38	Vaishnavi Gawai	[signature]
	Vashinavi Gawade	[signature]	39	Salve Aarvind	Arvind
	Vishal Ghumavat	Vishal G.	40	Salve Disha S.	Salve
	Potole varun	[signature]	41	Patole Gaurav P.	[signature]
	Wardini Kandekar R.	[signature]	42	Randhave Rupali	Randhave
	Ahmad Alfiya Anjun	[signature]	43	Rathode Ritsh S	Ritesh
	Ravi S. shaha	[signature]	44	Rathode Yogesh S.	Yogesh

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET Dept. of Chemistry

...e of Teacher Dr. Sujata Patil

...s B.Sc. Time of Period 2:30 / 3:30 Hall No. 28 Subject

...er No. Title of Teaching Topic Ammons

...:30 10/ /2024 Signature of Teacher

Name of Student	Signature	Sr. No.	Name of Student	Signature
Babasheb Chaudhari	[signature]	23	Pratima Mhaske	[signature]
Payal Dive	Payal	24	Singh Saurabh Pratap S.	Saurabh
Irfan Gaffer Shaikh	Shaikh	25	Bhale, Dipali V	[signature]
Shaikh Mehek Zaker	Mehek	26	Nirmal Avinash P	Avinash
Ashwini Mudiraj	[signature]	27	Paikrao Ganesh	Ganesh
Kharat Dipali	Dipali	28	Palsadevkar Vaibav	Vaibav
Ritesh Rothod	[signature]	29	Godse Priyanka	Priyanka
Pranshat Gavare	Pravare	30	Nagre Anil S	[signature]
Gayatri Ghadage	[signature]	31	Paikrao Ganesh B	Ganesh
Sani Gaytak A	Sani	32	Nirmal Avinash	[signature]
Aarti Bhakad O	Aarti	33	Patole Sadhana	Sadhana
Rohini Jadhav	[signature]	34	Pakhre Saniya	Saniya
Sakshi Landage	Sakshi	35	Panchal Vishnu	[signature]
Salve Arvind	[signature]	36	Rothode Ritesh S	[signature]
Vaishnavi Sable	Sable	37	Pallvi Kharbat	[signature]
Prasad Solanke M	Solanke	38	Irfan Shaikh S	[signature]
Vashinavi Gaware	Gaware	39	Salve Arvind	Arvind
Vishal Ghumavat	Vishal G.	40	Salve Disha S	[signature]
Patole Varun	[signature]	41	Pathole Gaurav P	Gaurav
Nandani Konkdin	[signature]	42	Randhave Rupali	Randhave
Ahmad Alfiya Anjun	Alfiya	43	Rathod Ritesh	Ritesh
Ravi S. Shaha	[signature]	44	Rothod Jogesh	[signature]

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna

ATTENDANCE SHEET Dept. of Chemistry

me of Teacher Dr. Sujata Patil

ss BSc Time of Period 2:30 4:30 Hall No. 2P Subject

er No. Title of Teaching Topic Statistical Methods a/c Data handling.

e: 3/10/2024 Signature of Teacher

Sr. No.	Name of Student	Signature	Sr. No.	Name of Student	Signature
	Rathod Yogesh	[signature]	23	Irfan Shaikh	Ishaikh
	Payal Dive	Payal	24	Singh Saurabh Pratap	Saurabh
	Irfan Gatter Shaikh	Ishaikh	25	Bhale Dipali V.	[signature]
	Shaikh Mehek B. Zakar	Mehek	26	Nirmal Avinash P	Avinash
	Ashwini Mudimay	[signature]	27	Paikra Ganesh	Ganesh
	Kharat Dipali	Dipali	28	Palsodakar Vaibav	Vaibav
	Rathod Ritesh	Ritesh	29	Godse Priyanka	Priyanka
	Pranshant Gavhane	Gavhane	30	Nagre Anil S.	[signature]
	Gayatri Ghadage	[signature]	31	Paikrao Ganesh B	Ganesh
	Sani Gaytadak A.	[signature]	32	Nirmal Avinash	Nirmal
	Aarti Bhakad O	Aarti	33	Patole Sadhana	Sadhana
2	Rohini Jadhav	RSadhav	34	Pakhre Saniya	Saniya
3	Sakshi Landage	Sakshi	35	Panchal Vishnu.	[signature]
4	Salve Arvind	Asalve	36	Rathod Ritesh S	Ritesh
5	Vaishnavi Sable.	Osable	37	Pallavi Kharat	Pkharat
6	Prasad Solanke M	Solanke	38	Pratima Mhaske	Pmhaske
7	Vashinavi Gaware	[signature]	39	Salve Arvind	Arvind
8	Vishal Ghumavat	Vishal G.	40	Salve Disha S.	[signature]
9	Pote Varun	Vpote	41	Patole Gaurav P.	Gaurav
0	Nandini Kandekar	[signature]	42	Randhave Rupali	Randhave
1	Ahmad Alfiya Anjun	Alfiya	43	Rathod Ritsh S	Ritsh
2	Ravi S. Shaha	RSshaha	44	Babasaheb Chumni	[signature]

Matsyodari Shikshan Sanstha's,

Ankushrao Tope College, Jalna. (MS)

Department of Chemistry

Add on Course on

"Modern Instrumental Methods of Analysis"

CERTIFICATE

This is to certify that Mr. / Ms. _____

Class: _____ has successfully completed Add-on Course on "Modern Instrumental Methods of Analysis" in the academic year 2022–2023 organized by Department of Chemistry, Ankushrao Tope College, Jalna.

Dr. S. S. Patil
Course Coordinator

Dr. M. B. Pandit
Principal

Matsyodari Shikshan Sanstha's

Ankushrao Tope College, Jalna.

(Affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.)
NAAC re-accredited with 'A' Grade, ISO 9001:2015 Certified
Web: www.mssatcjalna.com, Email: mssjln@rediffmail.com

Department of Chemistry

Add on Course

on

Modern Instrumental Methods of Analysis

List of Students

Sr. No.	Email Address	Name of Student	Class	Contact No.
1	balasahebchaudhari1902@gmail.com	Balasaheb Chaudhari	B. Sc. T. Y.	7620332472
2	ashvinimudiraj@gmail.com	Ashwini mudiraj	B. Sc. T. Y.	9637800205
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Department of Chemistry

Add on Course on

Modern Instrumental Methods of Analysis

- **Course Outline:**

This course is designed to familiarize the students with various instrumental methods of chemical analysis that scientists and engineers come across during their course work and research undertakings.

The participants are introduced to the principles of chemical analysis, matrix effect, detailed instrumentation, operation and interpretation of data, error analysis and statistical methods of data handling.

At the end of the course the student would be able to handle the analysis of mg, ppm and ppb levels of analysis by appropriate instrumental methods.

- **Applications:**

For chemical analysis of hazardous materials, environmental samples, inorganic, organic and biomaterials at trace and ultra trace quantities.

- **Course Duration:** 01.01.2023 to 31.01.2023

- **Course Span**: 30 Hours

- **Course Timetable**:

1. Monday to Friday = 2.30 pm to 3.30 pm
2. Saturday = 2.30 pm to 4.30 pm

- **Course Co-Ordinator:**

Dr. Sujata S. Patil
Assistant Professor,
Dept. of Chemistry,
Ankushrao Tope College,
Jalna.

- **Course Syllabus:**

Sr. No.	Topics	No. of Hours
1.	Introduction to Spectroscopic Techniques	3
2.	UV Visible Spectrophotometry, Nephelometry, Turbidimetry, Reflectance Spectrometry, Fluorescence, Phosphorescence Spectrometry	3
3.	Flame Emission and Atomic Absorption Spectrometry, Electro Thermal AAS, Hydride Generation AAS and Flameless Mercury Analysis.	3
4.	Inductivity Coupled Plasma Atomic Emission Analysis	3
5.	Infrared Spectrometry	3
6.	Introduction to X-ray Technique, XRF	3
7.	Introduction to NMR Spectroscopy and Mass Spectrometry	3
8.	Electro Analytical Techniques: Potentiometry, Voltametry, Polarography	3
9.	Chromatographic Analysis: GC, LC, HPLC, Hyphenated Techniques	3
10.	Errors, Statistical Methods of Data Handling	3
	Total Hours	30

- **References:**

1. H. Willard, L. L. Merit, J. A. Dean and F. A. Settle, Instrumental Methods of Analysis, 6th Edition, CBS.
2. A. L. Vogel, Quantitative Inorganic Analysis, 5th Edition, ELBS.
3. G. W. Ewing, Analytical Instrumentation Hand Book, Marcell Dekker, New York, 1990.

Matsyodari Shikshan Sanstha's

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Department of Chemistry

Add on Course

on

Modern Instrumental Methods of Analysis

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