

**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. I Semester-I (2020-21)**

Microbiology Paper- I (Microbial Metabolism)

Result of Unit Test held on-24/08/2020 on Unit I

Name of the teacher: Mrs. Nupur Deshmukh

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	12
2.	Dhanshree D. Dafare	06
3.	Khan Huma Muzim	14
4.	Kanchan D. Selukar	17
5.	Manali S. Kakde	16
6.	Neha A. Mate	19
7.	Nidhi R. Gour	06
8.	Nikita N. Lohkare	AA
9.	Nischal S. Deshbhratar	10
10.	Pooja S. Pawar	14
11.	Pranali K. Mendhe	16
12.	Pranali S. Meshram	16
13.	Purva V. Madankar	15
14.	Rashmi M. Dhande	19
15.	Sangharsh P. Khonde	16
16.	Sayami D. Patrikar	09
17.	Shibani A. Sahare	15
18.	Shruti R. Nikose	14
19.	Shubhangi S. Jagtap	08
20.	Snehal G. Choudhari	11
21.	Sonal D. Tandekar	13
22.	Suvarna D. Tekade	07
23.	Trupti S. Harinkhede	AA
24.	Vashnavi R. Mewade	11
25.	Vishakha P. Chaudhary	06

Signature of Teacher

Mrs. Nupur Deshmukh



Head of Department

Dr. Gulhane

HEAD
Department of Microbiology
Science College, Congress Nagar,
NAGPUR.

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper I (Microbial Metabolism)
UNIT TEST on Unit I**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT I

Q.1- Explain bacterial LT and CT 10

Q.2- Write a note on bacterial peptidoglycan 10



Signature of Teacher

Mrs. Nupur Deshmukh



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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

.Sc. I Semester-I (2020-21)

Microbiology Paper- I (Microbial Metabolism)

Result of Unit Test held on -24/09/2020

on Unit II

Name of the teacher: Mrs. Nupur Deshmukh

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	19
2.	Dhanshree D. Dafare	07
3.	Khan Huma Muzim	12
4.	Kanchan D. Selukar	AA
5.	Manali S. Kakde	13
6.	Neha A. Mate	10
7.	Nidhi R. Gour	07
8.	Nikita N. Lohkare	11
9.	Nischal S. Deshbhratar	14
10.	Pooja S. Pawar	17
11.	Pranali K. Mendhe	19
12.	Pranali S. Meshram	AA
13.	Purva V. Madankar	13
14.	Rashmi M. Dhande	17
15.	Sangharsh P. Khonde	14
16.	Sayami D. Patrikar	12
17.	Shibani A. Sahare	AA
18.	Shruti R. Nikose	16
19.	Shubhangi S. Jagtap	04
20.	Snehal G. Choudhari	12
21.	Sonal D. Tandekar	17
22.	Suvarna D. Tekade	18
23.	Trupti S. Harinkhede	08
24.	Vashnavi R. Mewade	13
25.	Vishakha P. Chaudhary	10



Signature of Teacher

Mrs. Nupur Deshmukh



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Dr. Gulhane

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NAGPUR.

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper I (Microbial Metabolism)
UNIT TEST on Unit II**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT II

- | | |
|---|----|
| Q.1- Explain chaperons and chaperonins | 10 |
| Q.2- Describe salvage pathway | 10 |



**Signature of Teacher
Mrs. Nupur Deshmukh**



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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. I Semester-I (2020-21)

Microbiology Paper-II (Enzymology and Techniques)

Result of Unit Test held on-29/08/2020

on Unit I

Name of the teacher: Dr. Manpreet Kaur

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	13
2.	Dhanshree D. Dafare	13
3.	Khan Huma Muzim	17
4.	Kanchan D. Selukar	09
5.	Manali S. Kakde	15
6.	Neha A. Mate	17
7.	Nidhi R. Gour	11
8.	Nikita N. Lohkare	18
9.	Nischal S. Deshbhratar	13
10.	Pooja S. Pawar	12
11.	Pranali K. Mendhe	16
12.	Pranali S. Meshram	11
13.	Purva V. Madankar	18
14.	Rashmi M. Dhande	13
15.	Sangharsh P. Khonde	19
16.	Sayami D. Patrikar	10
17.	Shibani A. Sahare	08
18.	Shruti R. Nikose	13
19.	Shubhangi S. Jagtap	08
20.	Snehal G. Choudhari	17
21.	Sonal D. Tandekar	11
22.	Suvarna D. Tekade	15
23.	Trupti S. Harinkhede	AA
24.	Vashnavi R. Mewade	12
25.	Vishakha P. Chaudhary	AA

Manpreet Kaur

Signature of Teacher

Dr. Manpreet Kaur



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc.) (Semester-I) Microbiology
Paper-II (Enzymology and Techniques)
Unit Test on Unit I**

Time: 60 min]

[Maximum Marks: 20

N.B. :- (1) All Questions are Compulsary.

Unit I

- | | |
|---|----|
| Q.1- Explain Kinetics of Enzyme Inhibition. | 10 |
| Q.2- Explain Kinetics of Bisubstrate Reaction. | 10 |

**Signature of Teacher
Dr. Manpreet Kaur**



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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. I Semester-I (2020-21)**

**Microbiology Paper-II (Enzymology and Techniques)
Result of Unit Test held on-29/10/2020 on Unit IV**

Name of the teacher: Dr. Manpreet Kaur

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	13
2.	Dhanshree D. Dafare	11
3.	Khan Huma Muzim	16
4.	Kanchan D. Selukar	09
5.	Manali S. Kakde	15
6.	Neha A. Mate	12
7.	Nidhi R. Gour	05
8.	Nikita N. Lohkare	17
9.	Nischal S. Deshbhratar	18
10.	Pooja S. Pawar	13
11.	Pranali K. Mendhe	16
12.	Pranali S. Meshram	06
13.	Purva V. Madankar	11
14.	Rashmi M. Dhande	13
15.	Sangharsh P. Khonde	12
16.	Sayami D. Patrikar	18
17.	Shibani A. Sahare	09
18.	Shruti R. Nikose	13
19.	Shubhangi S. Jagtap	07
20.	Snehal G. Choudhari	13
21.	Sonal D. Tandekar	15
22.	Suvarna D. Tekade	15
23.	Trupti S. Harinkhede	AA
24.	Vashnavi R. Mewade	17
25.	Vishakha P. Chaudhary	11

Manpreet Kaur

**Signature of Teacher
Dr. Manpreet Kaur**



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc.) (Semester-I) Microbiology
Paper-II (Enzymology and Techniques)
Unit Test on Unit IV**

Time: 60 min]

[Maximum Marks: 20

N.B. :- (1) All Questions are Compulsary.

Unit IV

Q.1-Write General Concept of Biosensor and explain Glucose Biosensor. 10

Q.2-Write Industrial Applications of Enzymes. 10



Signature of Teacher

Dr. Manpreet Kaur



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Microbiology
M.Sc. I Semester-I (2020-21)

Microbiology Paper III (Advance Techniques in Microbiology)
Result of Unit Test held on-22/09/2020 on Unit II

Name of the teacher: Dr.Pranita Gulhane

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	09
2.	Dhanshree D. Dafare	17
3.	Khan Huma Muzim	14
4.	Kanchan D. Selukar	03
5.	Manali S. Kakde	AA
6.	Neha A. Mate	17
7.	Nidhi R. Gour	10
8.	Nikita N. Lohkare	15
9.	Nischal S. Deshbhratar	14
10.	Pooja S. Pawar	AA
11.	Pranali K. Mendhe	13
12.	Pranali S. Meshram	08
13.	Purva V. Madankar	12
14.	Rashmi M. Dhande	18
15.	Sangharsh P. Khonde	18
16.	Sayami D. Patrikar	15
17.	Shibani A. Sahare	04
18.	Shruti R. Nikose	AA
19.	Shubhangi S. Jagtap	12
20.	Snehal G. Choudhari	15
21.	Sonal D. Tandekar	17
22.	Suvarna D. Tekade	15
23.	Trupti S. Harinkhede	08
24.	Vashnavi R. Mewade	AA
25.	Vishakha P. Chaudhary	02

Gulhane

Signature of Teacher

Dr.Pranita Gulhane



Gulhane

Head of Department

Dr. Gulhane

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper III (Advance Techniques in Microbiology)
UNIT TEST on Unit II**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT II

Q.1- Write a short note on centrifugation techniques 10

Q.2- Explain light scattering technique 10



Signature of Teacher

Dr. Pranita Gulhane





Head of the Department

Dr. Gulhane

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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. I Semester-I (2020-21)

Microbiology Paper III (Advance Techniques in Microbiology)

Result of Unit Test held on -12/10/2020

on Unit III

Name of the teacher: Dr.Pranita Gulhane

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	18
2.	Dhanshree D. Dafare	14
3.	Khan Huma Muzim	17
4.	Kanchan D. Selukar	09
5.	Manali S. Kakde	15
6.	Neha A. Mate	18
7.	Nidhi R. Gour	08
8.	Nikita N. Lohkare	14
9.	Nischal S. Deshbhratar	13
10.	Pooja S. Pawar	18
11.	Pranali K. Mendhe	13
12.	Pranali S. Meshram	07
13.	Purva V. Madankar	13
14.	Rashmi M. Dhande	19
15.	Sangharsh P. Khonde	17
16.	Sayami D. Patrikar	AA
17.	Shibani A. Sahare	06
18.	Shruti R. Nikose	16
19.	Shubhangi S. Jagtap	11
20.	Snehal G. Choudhari	19
21.	Sonal D. Tandekar	14
22.	Suvarna D. Tekade	16
23.	Trupti S. Harinkhede	09
24.	Vashnavi R. Mewade	AA
25.	Vishakha P. Chaudhary	15

Gulhane



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Signature of Teacher

Dr.Pranita Gulhane

**Head of the Department
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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper III (Advance Techniques in Microbiology)
UNIT TEST on Unit III**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT III

- | | |
|---|----|
| Q.1- Explain confocal microscopy | 10 |
| Q.2- Explain fluorescence microscopy | 10 |

Signature of Teacher

Dr. Pranita Gulhane



Head of the Department

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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. I Semester-I (2020-21)**

Microbiology Paper IV (Membrane Structure and Signal Transduction)

Result of Unit Test held on-27/08/2020

on Unit I

Name of the teacher: Mrs.Madhuri Walvekar

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	11
2.	Dhanshree D. Dafare	17
3.	Khan Huma Muzim	19
4.	Kanchan D. Selukar	05
5.	Manali S. Kakde	13
6.	Neha A. Mate	16
7.	Nidhi R. Gour	07
8.	Nikita N. Lohkare	18
9.	Nischal S. Deshbhratar	14
10.	Pooja S. Pawar	12
11.	Pranali K. Mendhe	19
12.	Pranali S. Meshram	05
13.	Purva V. Madankar	13
14.	Rashmi M. Dhande	18
15.	Sangharsh P. Khonde	14
16.	Sayami D. Patrikar	19
17.	Shibani A. Sahare	03
18.	Shruti R. Nikose	AA
19.	Shubhangi S. Jagtap	02
20.	Snehal G. Choudhari	10
21.	Sonal D. Tandekar	05
22.	Suvarna D. Tekade	12
23.	Trupti S. Harinkhede	07
24.	Vashnavi R. Mewade	13
25.	Vishakha P. Chaudhary	10



Signature of Teacher

Mrs.Madhuri Walvekar



Head of Department

Dr. Gulhane

**HEAD
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Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper IV (Membrane Structure and Signal Transduction)
UNIT TEST on Unit I

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT I

- Q.1-** Describe Gap and tight junctions 10
- Q.2-** Explain differential scanning calorimetry 10



Signature of Teacher
Mrs. Madhuri Walvekar



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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. I Semester-I (2020-21)**

Microbiology Paper IV (Membrane Structure and Signal Transduction)

Result of Unit Test held on -16/09/2019 on Unit II

Name of the teacher: Mrs.Madhuri Walvekar

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	17
2.	Dhanshree D. Dafare	AA
3.	Khan Huma Muzim	16
4.	Kanchan D. Selukar	03
5.	Manali S. Kakde	AA
6.	Neha A. Mate	12
7.	Nidhi R. Gour	10
8.	Nikita N. Lohkare	17
9.	Nischal S. Deshbhratar	16
10.	Pooja S. Pawar	13
11.	Pranali K. Mendhe	AA
12.	Pranali S. Meshram	06
13.	Purva V. Madankar	11
14.	Rashmi M. Dhande	09
15.	Sangharsh P. Khonde	12
16.	Sayami D. Patrikar	14
17.	Shibani A. Sahare	09
18.	Shruti R. Nikose	13
19.	Shubhangi S. Jagtap	07
20.	Snehal G. Choudhari	AA
21.	Sonal D. Tandekar	15
22.	Suvarna D. Tekade	17
23.	Trupti S. Harinkhede	AA
24.	Vashnavi R. Mewade	17
25.	Vishakha P. Chaudhary	10



**Signature of Teacher
Mrs.Madhuri Walvekar**



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper IV (Membrane Structure and Signal Transduction)
UNIT TEST on Unit II**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT II

- | | |
|--|----|
| Q.1- Describe cotransport by symporters | 10 |
| Q.2- Explain uniport | 10 |



**Signature of Teacher
Mrs.Madhuri Walvekar**



Head of the Department

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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. IInd Semester-III (2020-21)**

Microbiology Paper I (Molecular Biology and Genetics)

Result of Unit Test held on-26/08/2020 on Unit I

Name of the teacher: Mrs. Anjali Sharma

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	15
2.	Anjali Pogade	08
3.	Ankita Manapure	16
4.	Asmita Phophate	03
5.	Darshana Gawali	AA
6.	Komal Dhoble	12
7.	Mithila Jadhav	AA
8.	Niharika Kapse	17
9.	Palash Vaidya	16
10.	Poonam Ekunkar	13
11.	Rakhi Khandelwal	09
12.	Sakshi Sonsare	06
13.	Sakshi Chinchulkar	11
14.	Saloni Komawar	09
15.	Shradhha Bhandarkar	12
16.	Shraddha Nikhare	14
17.	Simran Gajbhiye	AA
18.	Supriya Nimkar	13
19.	Surabhi Bawankar	07
20.	Shrutika Dhole	14
21.	Vaishnavi Manmode	15

Anjali S.

**Signature of the Teacher
Mrs. Anjali Sharma**



Gulhane

Head of the Department

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Science College, Congress Nagar,
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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester III) MICROBIOLOGY
Paper I (Molecular Biology and Genetics)
UNIT TEST on Unit I**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT I

Q.1- Write a note on Direct reversal of DNA damage 10

Q.2- Explain homologous recombination in short 10

Anjali S.



Gulhane

Signature of Teacher

Mrs. Anjali Sharma

Head of the Department

Dr. Gulhane

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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. IInd Semester-III (2020-21)**

Microbiology Paper I (Molecular Biology and Genetics)

Result of Unit Test held on -09/09/2020 on Unit II

Name of the teacher: Mrs. Anjali Sharma

Sr.No.	Name	Marks Out of 20
22.	Achala Waghmare	AA
23.	Anjali Pogade	05
24.	Ankita Manapure	16
25.	Asmita Phophate	03
26.	Darshana Gawali	08
27.	Komal Dhoble	12
28.	Mithila Jadhav	10
29.	Niharika Kapse	17
30.	Palash Vaidya	16
31.	Poonam Ekunkar	13
32.	Rakhi Khandelwal	09
33.	Sakshi Sonsare	06
34.	Sakshi Chinchulkar	10
35.	Saloni Komawar	09
36.	Shradhha Bhandarkar	13
37.	Shraddha Nikhare	14
38.	Simran Gajbhiye	06
39.	Supriya Nimkar	16
40.	Surabhi Bawankar	07
41.	Shrutika Dhole	AA
42.	Vaishnavi Manmode	14

Anjali S.

Signature of Teacher

Mrs. Anjali Sharma



Gulhane

Head of the Department

Dr. Gulhane

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Department of Microbiology
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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester III) MICROBIOLOGY
Paper I (Molecular Biology and Genetics)
UNIT TEST on Unit II**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT II

Q.1- Explain Different classes of promoters 10

Q.2- Explain RNA interference 10

Anjali S.



Gulhane

**Signature of Teacher
Mrs. Anjali Sharma**

Head of the Department

Dr. Gulhane

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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. IInd Semester-III (2020-21)**

**Microbiology Paper I (Recombinant DNA Technology and
Nanobiotechnology)**

Result of Unit Test held on-18/09/2020 on Unit II

Name of the teacher: Mrs. Madhuri Walvekar

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	17
2.	Anjali Pogade	11
3.	Ankita Manapure	AA
4.	Asmita Phophate	03
5.	Darshana Gawali	AA
6.	Komal Dhoble	12
7.	Mithila Jadhav	10
8.	Niharika Kapse	17
9.	Palash Vaidya	16
10.	Poonam Ekunkar	13
11.	Rakhi Khandelwal	AA
12.	Sakshi Sonsare	06
13.	Sakshi Chinchulkar	11
14.	Saloni Komawar	09
15.	Shradhha Bhandarkar	12
16.	Shraddha Nikhare	AA
17.	Simran Gajbhiye	09
18.	Supriya Nimkar	13
19.	Surabhi Bawankar	07
20.	Shrutika Dhole	09
21.	Vaishnavi Manmode	15

Signature of Teacher

Mrs. Madhuri Walvekar



Head of the Department

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S.S.E.S.A's Science College, Congress Nagar, Nagpur
P.G. Department of Microbiology
Academic Session 2020-2021
M.Sc. IInd Year Semester III
Paper II (Recombinant DNA Technology and Nanobiotechnology)
Unit Test on Unit II

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

Unit II

Q.1- Explain DNA sequencing dideoxy and pyrosequencing. 10

Q.2- Write a note on S1 Mapping. 10



Signature of Teacher

Mrs. Madhuri Walvekar



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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. IInd Semester-III (2020-21)

**Microbiology Paper II (Recombinant DNA Technology and
Nanobiotechnology)**

Result of Unit Test held on-03/10/2020

on Unit III

Name of the teacher: : Mrs. Madhuri Walvekar

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	17
2.	Anjali Pogade	AA
3.	Ankita Manapure	16
4.	Asmita Phophate	03
5.	Darshana Gawali	AA
6.	Komal Dhoble	12
7.	Mithila Jadhav	10
8.	Niharika Kapse	17
9.	Palash Vaidya	16
10.	Poonam Ekunkar	13
11.	Rakhi Khandelwal	AA
12.	Sakshi Sonsare	06
13.	Sakshi Chinchulkar	11
14.	Saloni Komawar	09
15.	Shradhha Bhandarkar	12
16.	Shraddha Nikhare	14
17.	Simran Gajbhiye	09
18.	Supriya Nimkar	13
19.	Surabhi Bawankar	07
20.	Shrutika Dhole	AA
21.	Vaishnavi Manmode	15



Signature of Teacher
Mrs. Madhuri Walvekar



Head of the Department

Dr. Gulhane

HEAD
Department of Microbiology
Science College, Congress Nagar,
NAGPUR.

S.S.E.S.A's Science College, Congress Nagar, Nagpur
P.G. Department of Microbiology
Academic Session 2020-2021
M.Sc. IInd Year Semester III
Paper II (Recombinant DNA Technology and Nanobiotechnology)
Unit Test on Unit III

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

Unit III

- Q.1-** What is Primary culture and subculture? 10
- Q.2-** Write a note on Stem cell technology. 10



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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. IInd Semester-III (2020-21)**

Microbiology Paper III (Microbial Diversity, Evolution and Ecology)

**Result of Unit Test held on -15/10/2020 on Unit III
Name of the teacher: Ms. Dhanshree Badwaik**

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	18
2.	Anjali Pogade	12
3.	Ankita Manapure	13
4.	Asmita Phophate	09
5.	Darshana Gawali	07
6.	Komal Dhoble	10
7.	Mithila Jadhav	AA
8.	Niharika Kapse	15
9.	Palash Vaidya	19
10.	Poonam Ekunkar	12
11.	Rakhi Khandelwal	09
12.	Sakshi Sonsare	AA
13.	Sakshi Chinchulkar	12
14.	Saloni Komawar	15
15.	Shradhha Bhandarkar	11
16.	Shraddha Nikhare	18
17.	Simran Gajbhiye	AA
18.	Supriya Nimkar	13
19.	Surabhi Bawankar	AA
20.	Shrutika Dhole	AA
21.	Vaishnavi Manmode	15

DBadwaik



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Signature of Teacher

Ms. Dhanshree Badwaik

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc.) (Semester-III) Microbiology
Paper III (Microbial Diversity, Evolution and Ecology)
UNIT TEST on Unit III**

Time: 60 min.]

[Maximum Marks:20

N.B. :- (1) All Questions are Compulsary.

Unit III

Q.1- Describe about Planctomycetes. 10

Q.2- Explain about Cyanobacteria. 10

DBadwaik



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Signature of Teacher

Ms. Dhanshree Badwaik

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. IInd Semester-III (2020-21)**

Microbiology Paper III (Microbial Diversity, Evolution and Ecology)

**Result of Unit Test held on-05/11/2020 on Unit IV
Name of the teacher: Ms. Dhanshree Badwaik**

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	18
2.	Anjali Pogade	09
3.	Ankita Manapure	14
4.	Asmita Phophate	11
5.	Darshana Gawali	10
6.	Komal Dhoble	16
7.	Mithila Jadhav	18
8.	Niharika Kapse	14
9.	Palash Vaidya	AA
10.	Poonam Ekunkar	19
11.	Rakhi Khandelwal	08
12.	Sakshi Sonsare	10
13.	Sakshi Chinchulkar	16
14.	Saloni Komawar	07
15.	Shradhha Bhandarkar	14
16.	Shraddha Nikhare	AA
17.	Simran Gajbhiye	12
18.	Supriya Nimkar	17
19.	Surabhi Bawankar	AA
20.	Shrutika Dhole	08
21.	Vaishnavi Manmode	17

DBadwaik



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Head of the Department

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc.) (Semester-III) Microbiology
Paper III (Microbial Diversity, Evolution and Ecology)
UNIT TEST on Unit IV**

Time: 60 min]

[Maximum Marks: 20

N.B. :- (1) All Questions are Compulsary.

Unit IV

Q.1- Discuss In detail Phylum-Defferibacter. 10

Q.2- Write about Phylum: Green Sulphur Bacteria. 10

DBadwaik



Signature of Teacher

Ms. Dhanshree Badwaik

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Microbiology
M.Sc. IInd Semester-III (2020-21)

Microbiology Paper IV (Drugs and Disease Management)

Result of Unit Test held on-03/10/2020

on Unit IV

Name of the teacher: Dr. Pranita Gulhane

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	12
2.	Anjali Pogade	09
3.	Ankita Manapure	AA
4.	Asmita Phophate	05
5.	Darshana Gawali	08
6.	Komal Dhoble	15
7.	Mithila Jadhav	17
8.	Niharika Kapse	18
9.	Palash Vaidya	AA
10.	Poonam Ekunkar	13
11.	Rakhi Khandelwal	05
12.	Sakshi Sonsare	14
13.	Sakshi Chinchulkar	17
14.	Saloni Komawar	04
15.	Shradhha Bhandarkar	12
16.	Shraddha Nikhare	19
17.	Simran Gajbhiye	AA
18.	Supriya Nimkar	05
19.	Surabhi Bawankar	AA
20.	Shrutika Dhole	04
21.	Vaishnavi Manmode	17

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Signature of Teacher

Dr. Pranita Gulhane



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Head of Department

Dr. Gulhane

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester III) MICROBIOLOGY
Paper IV (Drugs and Disease Management)
UNIT TEST on Unit IV**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT I

- | | |
|---|----|
| Q.1- Describe the drug-microbe host relationship | 10 |
| Q.2- Explain bio-precursors prodrugs | 10 |



Signature of Teacher

Dr. Pranita Gulhane



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Microbiology
M.Sc. IInd Semester-III (2020-21)

Microbiology Paper IV (Drugs and Disease Management)

Result of Unit Test held on -26/09/2020

on Unit II

Name of the teacher: Dr. Pranita Gulhane

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	10
2.	Anjali Pogade	06
3.	Ankita Manapure	14
4.	Asmita Phophate	AA
5.	Darshana Gawali	09
6.	Komal Dhoble	02
7.	Mithila Jadhav	12
8.	Niharika Kapse	15
9.	Palash Vaidya	17
10.	Poonam Ekunkar	15
11.	Rakhi Khandelwal	13
12.	Sakshi Sonsare	02
13.	Sakshi Chinchulkar	11
14.	Saloni Komawar	18
15.	Shradhha Bhandarkar	19
16.	Shraddha Nikhare	14
17.	Simran Gajbhiye	09
18.	Supriya Nimkar	13
19.	Surabhi Bawankar	07
20.	Shrutika Dhole	12
21.	Vaishnavi Manmode	13

Signature of Teacher
Dr. Pranita Gulhane



Head of Department
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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester III) MICROBIOLOGY
Paper IV (Drugs and Disease Management)
UNIT TEST on Unit II**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT II

- Q.1-** Give 2 examples of antifungals and draw their structure 10
- Q.2-** Give the mechanism of action of isoniazid and rifamycin 10



Signature of Teacher

Dr. Pranita Gulhane



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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. I Semester-II (2020-21)**

Microbiology Paper-I (Microbial Methods for Environment Management)

**Result of Unit Test held on -17/03/2021 on Unit II
Name of the teacher: Dr. Pranita Gulhane**

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	16
2.	Dhanshree D. Dafare	AA
3.	Khan Huma Muzim	18
4.	Kanchan D. Selukar	03
5.	Manali S. Kakde	AA
6.	Neha A. Mate	12
7.	Nidhi R. Gour	10
8.	Nikita N. Lohkare	15
9.	Nischal S. Deshbhratar	16
10.	Pooja S. Pawar	14
11.	Pranali K. Mendhe	AA
12.	Pranali S. Meshram	06
13.	Purva V. Madankar	10
14.	Rashmi M. Dhande	09
15.	Sangharsh P. Khonde	12
16.	Sayami D. Patrikar	18
17.	Shibani A. Sahare	09
18.	Shruti R. Nikose	13
19.	Shubhangi S. Jagtap	07
20.	Snehal G. Choudhari	AA
21.	Sonal D. Tandekar	14
22.	Suvarna D. Tekade	17
23.	Trupti S. Harinkhede	AA
24.	Vashnavi R. Mewade	17
25.	Vishakha P. Chaudhary	10

Gulhane



Gulhane

**Signature of Teacher
Dr. Pranita Gulhane**

Head of Department

Dr. Gulhane

**HEAD
Department of Microbiology
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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2021-2022
Master of Science (M.Sc.) (Semester-II) Microbiology
Paper-I (Microbial Methods for Environment Management)
UNIT TEST on Unit II**

Time: 60 min]

[Maximum Marks: 20

N.B. :- (1) All Questions are Compulsary.

Unit II

- | | |
|--|----|
| Q.1-Explain in Detail Biotransformation of Mercury. | 10 |
| Q.2-Describe About Biodegradation of Plastic. | 10 |

Signature of Teacher

Dr. Pranita Gulhane



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. I Semester-II (2020-21)**

Microbiology Paper-I (Microbial Methods for Environment Management)

Result of Unit Test held on-17/04/2021

on Unit III

Name of the teacher: : Dr. Pranita Gulhane

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	17
2.	Dhanshree D. Dafare	AA
3.	Khan Huma Muzim	15
4.	Kanchan D. Selukar	03
5.	Manali S. Kakde	05
6.	Neha A. Mate	12
7.	Nidhi R. Gour	10
8.	Nikita N. Lohkare	17
9.	Nischal S. Deshbhratar	16
10.	Pooja S. Pawar	13
11.	Pranali K. Mendhe	AA
12.	Pranali S. Meshram	06
13.	Purva V. Madankar	11
14.	Rashmi M. Dhande	09
15.	Sangharsh P. Khonde	15
16.	Sayami D. Patrikar	14
17.	Shibani A. Sahare	09
18.	Shruti R. Nikose	12
19.	Shubhangi S. Jagtap	07
20.	Snehal G. Choudhari	09
21.	Sonal D. Tandekar	15
22.	Suvarna D. Tekade	17
23.	Trupti S. Harinkhede	AA
24.	Vashnavi R. Mewade	17
25.	Vishakha P. Chaudhary	17

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**Signature of Teacher
Dr. Pranita Gulhane**



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Department of Microbiology
Science College, Congress Nagar,
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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc.) (Semester-II) Microbiology
Paper-I (Microbial Methods for Environment Management)
Unit Test on Unit III**

Time: 60 min]

[Maximum Marks: 20

N.B. :- (1) All Questions are Compulsary.

Unit III

Q.1-Explain in Detail about Waste Water Management using Fluidized Bed Reactors. 10

Q.2-Write Down the Applications of Phytoremediation. 10



Signature of Teacher

Dr. Pranita Gulhane



Head of the Department

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Department of Microbiology
Science College, Congress Nagar,
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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. I Semester-II (2020-21)**

Microbiology Paper II (Microbial Metabolites)

Result of Unit Test held on -24/02/2021 on Unit I

Name of the teacher: Dr. Manpreet Kaur

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	AA
2.	Dhanshree D. Dafare	14
3.	Khan Huma Muzim	13
4.	Kanchan D. Selukar	09
5.	Manali S. Kakde	08
6.	Neha A. Mate	10
7.	Nidhi R. Gour	AA
8.	Nikita N. Lohkare	14
9.	Nischal S. Deshbhratar	19
10.	Pooja S. Pawar	12
11.	Pranali K. Mendhe	09
12.	Pranali S. Meshram	03
13.	Purva V. Madankar	AA
14.	Rashmi M. Dhande	04
15.	Sangharsh P. Khonde	AA
16.	Sayami D. Patrikar	16
17.	Shibani A. Sahare	08
18.	Shruti R. Nikose	AA
19.	Shubhangi S. Jagtap	07
20.	Snehal G. Choudhari	AA
21.	Sonal D. Tandekar	15
22.	Suvarna D. Tekade	18
23.	Trupti S. Harinkhede	12
24.	Vashnavi R. Mewade	17
25.	Vishakha P. Chaudhary	19

Manpreet Kaur



Gulhane

Signature of Teacher

Dr. Manpreet Kaur

Head of the Department

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Science College, Congress Nagar,
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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc.) (Semester-II) Microbiology
Paper II (Microbial Metabolites)
UNIT TEST on Unit I**

Time: 60 min.]

[Maximum Marks:20

N.B. :- (1) All Questions are Compulsary.

Unit I

Q.1- Explain in detail about Hyaluronic acid and Chitin. 10

Q.2- Write in Detail about Spermidine and Spermine. 10

Manpreet Kaur



Gulhane

Signature of Teacher

Dr. Manpreet Kaur

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Department of Microbiology
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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
Department of Microbiology
M.Sc. I Semester-II (2020-21)
Microbiology Paper II (Microbial Metabolites)**

**Result of Unit Test held on-24/03/2021 on Unit II
Name of the teacher: : Dr. Manpreet Kaur**

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	17
2.	Dhanshree D. Dafare	12
3.	Khan Huma Muzim	16
4.	Kanchan D. Selukar	03
5.	Manali S. Kakde	08
6.	Neha A. Mate	AA
7.	Nidhi R. Gour	10
8.	Nikita N. Lohkare	17
9.	Nischal S. Deshbhratar	14
10.	Pooja S. Pawar	13
11.	Pranali K. Mendhe	AA
12.	Pranali S. Meshram	06
13.	Purva V. Madankar	11
14.	Rashmi M. Dhande	09
15.	Sangharsh P. Khonde	16
16.	Sayami D. Patrikar	13
17.	Shibani A. Sahare	09
18.	Shruti R. Nikose	13
19.	Shubhangi S. Jagtap	07
20.	Snehal G. Choudhari	09
21.	Sonal D. Tandekar	15
22.	Suvarna D. Tekade	17
23.	Trupti S. Harinkhede	04
24.	Vashnavi R. Mewade	04
25.	Vishakha P. Chaudhary	14

Manpreet Kaur

**Signature of Teacher
Dr. Manpreet Kaur**



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc.) (Semester-II) Microbiology
Paper II (Microbial Metabolites)
UNIT TEST on Unit II**

Time: 60 min]

[Maximum Marks: 20

N.B. :- (1) All Questions are Compulsary.

Unit II

Q.1- Give a Mechanism of Action and Structure of Nitrofuran. 10

Q.2- Explain Mechanism of antibiotic resistance. 10

Signature of Teacher

Dr. Manpreet Kaur



Head of the Department

Dr. Gulhane

**HEAD
Department of Microbiology
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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. I Semester-II (2020-21)**

Microbiology Paper III (Medical Microbiology and Parasitology)

Result of Unit Test held on -19/03/2021

on Unit I

Name of the teacher: Dr.Pranita Gulhane

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	15
2.	Dhanshree D. Dafare	09
3.	Khan Huma Muzim	14
4.	Kanchan D. Selukar	12
5.	Manali S. Kakde	11
6.	Neha A. Mate	AA
7.	Nidhi R. Gour	10
8.	Nikita N. Lohkare	13
9.	Nischal S. Deshbhratar	16
10.	Pooja S. Pawar	16
11.	Pranali K. Mendhe	09
12.	Pranali S. Meshram	AA
13.	Purva V. Madankar	13
14.	Rashmi M. Dhande	08
15.	Sangharsh P. Khonde	14
16.	Sayami D. Patrikar	AA
17.	Shibani A. Sahare	09
18.	Shruti R. Nikose	13
19.	Shubhangi S. Jagtap	04
20.	Snehal G. Choudhari	AA
21.	Sonal D. Tandekar	15
22.	Suvarna D. Tekade	13
23.	Trupti S. Harinkhede	AA
24.	Vashnavi R. Mewade	17
25.	Vishakha P. Chaudhary	11

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Signature of Teacher

Dr.Pranita Gulhane



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester II) MICROBIOLOGY
Paper III (Medical Microbiology and Parasitology)
UNIT TEST on Unit I**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT I

- Q.1-** Explain mechanism of bacterial adhesion. 10
- Q.2-** Give an account on Agreesion and Toxin. 10



Signature of Teacher

Dr. Pranita Gulhane





Head of the Department

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. I Semester-II (2020-21)**

Microbiology Paper III (Medical Microbiology and Parasitology)

**Result of Unit Test held on -30/04/2021 on Unit II
Name of the teacher: Dr.Pranita Gulhane**

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	13
2.	Dhanshree D. Dafare	AA
3.	Khan Huma Muzim	16
4.	Kanchan D. Selukar	09
5.	Manali S. Kakde	AA
6.	Neha A. Mate	14
7.	Nidhi R. Gour	12
8.	Nikita N. Lohkare	17
9.	Nischal S. Deshbhratar	15
10.	Pooja S. Pawar	13
11.	Pranali K. Mendhe	AA
12.	Pranali S. Meshram	06
13.	Purva V. Madankar	18
14.	Rashmi M. Dhande	09
15.	Sangharsh P. Khonde	AA
16.	Sayami D. Patrikar	14
17.	Shibani A. Sahare	05
18.	Shruti R. Nikose	13
19.	Shubhangi S. Jagtap	07
20.	Snehal G. Choudhari	11
21.	Sonal D. Tandekar	15
22.	Suvarna D. Tekade	17
23.	Trupti S. Harinkhede	16
24.	Vashnavi R. Mewade	19
25.	Vishakha P. Chaudhary	AA

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Dr.Pranita Gulhane



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Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester II) MICROBIOLOGY
Paper III (Medical Microbiology and Parasitology)
UNIT TEST on Unit II**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT II

- Q.1-** Give the pathogenesis of *Bordetella pertussis*. 10
- Q.2-** Give morphology and lab diagnosis of *Proteus vulgaris*. 10

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Signature of Teacher

Dr.Pranita Gulhane

Head of the Department

Dr. Gulhane

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. I Semester-II (2020-21)**

Microbiology Paper IV (Immunology and Immunodiagnostics)

Result of Unit Test held on -10/03/2021 on Unit I

Name of the teacher: Mrs. Madhuri Walvekar

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	15
2.	Dhanshree D. Dafare	AA
3.	Khan Huma Muzim	16
4.	Kanchan D. Selukar	03
5.	Manali S. Kakde	AA
6.	Neha A. Mate	12
7.	Nidhi R. Gour	15
8.	Nikita N. Lohkare	18
9.	Nischal S. Deshbhratar	12
10.	Pooja S. Pawar	12
11.	Pranali K. Mendhe	08
12.	Pranali S. Meshram	12
13.	Purva V. Madankar	10
14.	Rashmi M. Dhande	05
15.	Sangharsh P. Khonde	11
16.	Sayami D. Patrikar	AA
17.	Shibani A. Sahare	09
18.	Shruti R. Nikose	13
19.	Shubhangi S. Jagtap	07
20.	Snehal G. Choudhari	AA
21.	Sonal D. Tandekar	15
22.	Suvarna D. Tekade	17
23.	Trupti S. Harinkhede	AA
24.	Vashnavi R. Mewade	14
25.	Vishakha P. Chaudhary	19

Signature of Teacher

Mrs. Madhuri Walvekar



Head of the Department

Dr. Gulhane

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Science College, Congress Nagar,
NAGPUR.

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc.) (Semester-II) Microbiology
Paper IV (Immunology and Immunodiagnostics)
UNIT TEST on Unit I**

Time: 60 min.]

[Maximum Marks:20

N.B. :- (1) All Questions are Compulsary.

Unit I

Q.1- Describe Pathways of Complement activation. 10

Q.2-Explain Antibody-Dependent cell mediated Cytotoxicity. 10



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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. I Semester-II (2020-21)**

Microbiology Paper IV (Immunology and Immunodiagnostics)

**Result of Unit Test held on -03/04/2021 on Unit II
Name of the teacher: : Mrs. Madhuri Walvekar**

Sr.No.	Name	Marks Out of 20
1.	Bhavika T. Ranpura	17
2.	Dhanshree D. Dafare	AA
3.	Khan Huma Muzim	16
4.	Kanchan D. Selukar	03
5.	Manali S. Kakde	AA
6.	Neha A. Mate	12
7.	Nidhi R. Gour	10
8.	Nikita N. Lohkare	17
9.	Nischal S. Deshbhratar	16
10.	Pooja S. Pawar	13
11.	Pranali K. Mendhe	AA
12.	Pranali S. Meshram	06
13.	Purva V. Madankar	11
14.	Rashmi M. Dhande	09
15.	Sangharsh P. Khonde	12
16.	Sayami D. Patrikar	14
17.	Shibani A. Sahare	09
18.	Shruti R. Nikose	13
19.	Shubhangi S. Jagtap	07
20.	Snehal G. Choudhari	AA
21.	Sonal D. Tandekar	15
22.	Suvarna D. Tekade	17
23.	Trupti S. Harinkhede	AA
24.	Vashnavi R. Mewade	17
25.	Vishakha P. Chaudhary	10



**Signature of Teacher
Mrs. Madhuri Walvekar**



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc.) (Semester-II) Microbiology
Paper IV (Immunology and Immunodiagnostics)
UNIT TEST on Unit II**

Time: 60 min]

[Maximum Marks: 20

N.B. :- (1) All Questions are Compulsary.

Unit II

Q.1- Describe About Cancer Immunotherapy. 10

Q.2- Explain Mechanism of Clinical Transplant. 10



Signature of Teacher

Mrs. Madhuri Walvekar



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. IInd Semester-III (2020-21)
Microbiology Paper I (Virology)**

Result of Unit Test held on-08/05/2021 on Unit III

Name of the teacher: Mrs.Madhuri Walvekar

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	AA
2.	Anjali Pogade	13
3.	Ankita Manapure	11
4.	Asmita Phophate	06
5.	Darshana Gawali	AA
6.	Komal Dhoble	12
7.	Mithila Jadhav	10
8.	Niharika Kapse	16
9.	Palash Vaidya	14
10.	Poonam Ekunkar	12
11.	Rakhi Khandelwal	AA
12.	Sakshi Sonsare	09
13.	Sakshi Chinchulkar	10
14.	Saloni Komawar	18
15.	Shradhha Bhandarkar	AA
16.	Shraddha Nikhare	14
17.	Simran Gajbhiye	07
18.	Supriya Nimkar	13
19.	Surabhi Bawankar	AA
20.	Shrutika Dhole	12
21.	Vaishnavi Manmode	10



Signature of Teacher

Mrs. Madhuri Walvekar



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY
Paper I (Virology)
UNIT TEST on Unit III**

Time: 60 min

Maximum Marks: 20

All questions are compulsory

UNIT III

- | | |
|--|----|
| Q.1- Give account on Plant virus | 10 |
| Q.2- Write short note on EB virus | 10 |



Signature of Teacher

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. IInd Semester-III (2020-21)
Microbiology Paper I (Virology)**

**Result of Unit Test held on -27/05/2021 on Unit IV
Name of the teacher: Mrs.Madhuri Walvekar**

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	11
2.	Anjali Pogade	AA
3.	Ankita Manapure	14
4.	Asmita Phophate	09
5.	Darshana Gawali	AA
6.	Komal Dhoble	02
7.	Mithila Jadhav	12
8.	Niharika Kapse	18
9.	Palash Vaidya	14
10.	Poonam Ekunkar	15
11.	Rakhi Khandelwal	12
12.	Sakshi Sonsare	02
13.	Sakshi Chinchulkar	10
14.	Saloni Komawar	11
15.	Shradhha Bhandarkar	16
16.	Shraddha Nikhare	15
17.	Simran Gajbhiye	09
18.	Supriya Nimkar	AA
19.	Surabhi Bawankar	09
20.	Shrutika Dhole	11
21.	Vaishnavi Manmode	16



Signature of Teacher

Mrs. Madhuri Walvekar



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY
Paper I (Virology)
UNIT TEST on Unit IV**

Time: 60 min

Maximum Marks: 20

All questions are compulsory

UNIT IV

- | | |
|--|----|
| Q.1- Explain Complement fixation immunofluorescence methods | 10 |
| Q.2- Write short note on Foscarnet and Stavudine | 10 |



Signature of Teacher

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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. II Semester-IV (2020-21)

Microbiology Paper II (Microbial Fermentation Technology)

Result of Unit Test held on- 23/04/2021 on Unit III

Name of the teacher: Ms. Dhanshree Badwaik

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	10
2.	Anjali Pogade	06
3.	Ankita Manapure	14
4.	Asmita Phophate	AA
5.	Darshana Gawali	09
6.	Komal Dhoble	02
7.	Mithila Jadhav	12
8.	Niharika Kapse	15
9.	Palash Vaidya	17
10.	Poonam Ekunkar	15
11.	Rakhi Khandelwal	13
12.	Sakshi Sonsare	02
13.	Sakshi Chinchulkar	11
14.	Saloni Komawar	18
15.	Shradhha Bhandarkar	19
16.	Shraddha Nikhare	14
17.	Simran Gajbhiye	09
18.	Supriya Nimkar	13
19.	Surabhi Bawankar	07
20.	Shrutika Dhole	12
21.	Vaishnavi Manmode	13

D Badwaik



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Signature of Teacher

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY
Paper II (Microbial Fermentation Technology)
UNIT TEST on Unit III**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT III

- | | |
|---|----|
| Q.1- Explain Biofuels in detail. | 10 |
| Q.2- Give a note on thermostable enzymes | 10 |

DBadwaik



Signature of Teacher

Ms. Dhanshree Badwaik

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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. IInd Semester-IV (2020-21)**

Microbiology Paper II (Microbial Fermentation Technology)

Result of Unit Test held on -11/05/2021 on Unit IV

Name of the teacher: Ms. Dhanshree Badwaik

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	18
2.	Anjali Pogade	09
3.	Ankita Manapure	17
4.	Asmita Phophate	06
5.	Darshana Gawali	18
6.	Komal Dhoble	19
7.	Mithila Jadhav	16
8.	Niharika Kapse	AA
9.	Palash Vaidya	13
10.	Poonam Ekunkar	19
11.	Rakhi Khandelwal	15
12.	Sakshi Sonsare	07
13.	Sakshi Chinchulkar	16
14.	Saloni Komawar	AA
15.	Shradhha Bhandarkar	11
16.	Shraddha Nikhare	18
17.	Simran Gajbhiye	12
18.	Supriya Nimkar	14
19.	Surabhi Bawankar	04
20.	Shrutika Dhole	16
21.	Vaishnavi Manmode	15

DBadwaik

Signature of Teacher

Ms. Dhanshree Badwaik



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY
Paper II (Microbial Fermentation Technology)
UNIT TEST on Unit IV**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT IV

- Q.1-** What are Fatty acids. Explain Palmetate and oleate in detail. 10
- Q.2-** Give a note on Carotenoides 10

DBadwaik

Signature of Teacher

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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. IInd Semester-IV (2020-21)**

Microbiology Paper III (Microbial Environment ,Evolution and Ecology II)

Result of Unit Test held on-20/04/2021 on Unit II

Name of the teacher: Dr.Manpreet Kaur

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	15
2.	Anjali Pogade	AA
3.	Ankita Manapure	14
4.	Asmita Phophate	18
5.	Darshana Gawali	11
6.	Komal Dhoble	13
7.	Mithila Jadhav	16
8.	Niharika Kapse	18
9.	Palash Vaidya	16
10.	Poonam Ekunkar	12
11.	Rakhi Khandelwal	05
12.	Sakshi Sonsare	06
13.	Sakshi Chinchulkar	14
14.	Saloni Komawar	13
15.	Shradhha Bhandarkar	11
16.	Shraddha Nikhare	10
17.	Simran Gajbhiye	09
18.	Supriya Nimkar	10
19.	Surabhi Bawankar	11
20.	Shrutika Dhole	18
21.	Vaishnavi Manmode	AA

Manpreet Kaur



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Head of the Department

Dr. Gulhane

Signature of Teacher

Dr.Manpreet Kaur

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY
Paper III (Microbial Environment ,Evolution and Ecology II)
UNIT TEST on Unit II**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT II

- | | |
|---|----|
| Q.1-Explain Theories of Succession. | 10 |
| Q.2- Give a note on Community Stability and Community Hypothesis | 10 |

Manpreet Kaur



Gulhane

Signature of Teacher

Dr.Manpreet Kaur

Head of the Department

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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. II Semester-IV (2020-21)

Microbiology Paper III (Microbial Environment ,Evolution and Ecology II)

Result of Unit Test held on -24/05/2021

on Unit IV

Name of the teacher: Dr.Manpreet Kaur

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	12
2.	Anjali Pogade	19
3.	Ankita Manapure	17
4.	Asmita Phophate	12
5.	Darshana Gawali	AA
6.	Komal Dhoble	09
7.	Mithila Jadhav	16
8.	Niharika Kapse	18
9.	Palash Vaidya	14
10.	Poonam Ekunkar	18
11.	Rakhi Khandelwal	12
12.	Sakshi Sonsare	05
13.	Sakshi Chinchulkar	15
14.	Saloni Komawar	19
15.	Shradhha Bhandarkar	19
16.	Shraddha Nikhare	14
17.	Simran Gajbhiye	09
18.	Supriya Nimkar	12
19.	Surabhi Bawankar	AA
20.	Shrutika Dhole	17
21.	Vaishnavi Manmode	15

M. Kaur

Signature of Teacher

Dr.Manpreet Kaur



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021**

**Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY
Paper III (Microbial Environment ,Evolution and Ecology II)
UNIT TEST on Unit IV**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT IV

Q.1- Give an account on Syntrophy, Commensalism and Mutualism in detail. 10

Q.2- Give a note on Carotenoides 10

Manpreet Kaur

Signature of Teacher

Dr. Manpreet Kaur



Dr. Gulhane

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester-IV (2020-21)**

Microbiology Paper IV (Vaccines and Delivery System)

Result of Unit Test held on-20/05/2021

on Unit III

Name of the teacher: Dr.Pranita Gulhane

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	11
2.	Anjali Pogade	AA
3.	Ankita Manapure	19
4.	Asmita Phophate	06
5.	Darshana Gawali	12
6.	Komal Dhoble	11
7.	Mithila Jadhav	18
8.	Niharika Kapse	15
9.	Palash Vaidya	18
10.	Poonam Ekunkar	14
11.	Rakhi Khandelwal	AA
12.	Sakshi Sonsare	09
13.	Sakshi Chinchulkar	17
14.	Saloni Komawar	13
15.	Shradhha Bhandarkar	16
16.	Shraddha Nikhare	13
17.	Simran Gajbhiye	17
18.	Supriya Nimkar	AA
19.	Surabhi Bawankar	05
20.	Shrutika Dhole	17
21.	Vaishnavi Manmode	18

Gulhane



Gulhane

Head of Department

Dr. Gulhane

Signature of Teacher

Dr.Pranita Gulhane

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S.S.E.S.A's Science College, Congress Nagar, Nagpur
P.G. Department of Microbiology
Academic Session 2020-2021
M.Sc. II Year Semester IV

Paper IV (Vaccines and Delivery System)

Unit Test on Unit III

Time: 60 min

Maximum Marks: 20

N. B.:- All questions are compulsory

Q.1- Give a detail on HIV vaccines.

10

Q.2- Describe in detail Herpes simplex viral vaccines.

10



Signature of Teacher

Dr. Pranita Gulhane

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. II Semester-IV (2020-21)

Microbiology Paper IV (Vaccines and Delivery System)

Result of Unit Test held on-27/05/2021

on Unit IV

Name of the teacher: Dr.Pranita Gulhane

Sr.No.	Name	Marks Out of 20
1.	Achala Waghmare	10
2.	Anjali Pogade	19
3.	Ankita Manapure	AA
4.	Asmita Phophate	11
5.	Darshana Gawali	08
6.	Komal Dhoble	AA
7.	Mithila Jadhav	14
8.	Niharika Kapse	18
9.	Palash Vaidya	14
10.	Poonam Ekunkar	18
11.	Rakhi Khandelwal	16
12.	Sakshi Sonsare	09
13.	Sakshi Chinchulkar	12
14.	Saloni Komawar	14
15.	Shradhha Bhandarkar	15
16.	Shraddha Nikhare	19
17.	Simran Gajbhiye	11
18.	Supriya Nimkar	17
19.	Surabhi Bawankar	AA
20.	Shrutika Dhole	10
21.	Vaishnavi Manmode	12

Gulhane



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Signature of Teacher

Dr.Pranita Gulhane

Head of Department

Dr. Gulhane

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Department of Microbiology
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S.S.E.S.A's Science College, Congress Nagar, Nagpur
P.G. Department of Microbiology
Academic Session 2020-2021
M.Sc. II Year Semester IV

Paper IV (Vaccines and Delivery System)

Unit Test on Unit IV

Time: 60 min

Maximum Marks: 20

N. B.:- All questions are compulsory.

- | | |
|--|----|
| Q.1- Describe in detail Drug designing. | 10 |
| Q.2- Give a detail on antibiotic assay in body fluid. | 10 |

Signature of Teacher

Dr. Pranita Gulhane



Head of the Department

Dr. Gulhane

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