

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

**Department of Microbiology**

**M.Sc. I Semester- I (2022-23)**

**Microbial Metabolism (Paper- I)**

**Result of Unit Test held on 29/09/2022 on Unit I**

**Name of Teacher: Mrs. Madhuri Walvekar**

Sr. No	Name of Student	Marks out of 20
1.	Akanksha V. Meshram	12
2.	Ashwini D. Nandanwar	16
3.	Asmita A. Wagh	12
4.	Diksha S. Choube	11
5.	Janhavi D. Parbat	14
6.	Kaniz A. Sheikh	10
7.	Komal N. Nibrad	AA
8.	Nimmi D. Kumbhare	08
9.	Nisha G. Khaparde	15
10.	Prachi P. Thakur	14
11.	Pratiksha R. Teltumde	12
12.	Rutuja R. Meshram	AA
13.	Sejal U. Nilatkar	AA
14.	Shivani R. Vikhar	AA
15.	Simran V. Bode	11
16.	Sushma D. Lilhare	15
17.	Vaibhav S. Jaronde	17
18.	Vaishnavi Nannaware	14
19.	Vaishnavi M. Shende	12
20.	Vanshika A. Gandhare	12



**Signature of the Teacher**

**Mrs. Madhuri Walvekar**



**Head of the department**

**Dr. Pranita Gulhane**

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

**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY  
Paper I (Microbial Metabolism)  
Unit Test on Unit I**

**Time: 60 min**

**Maximum Marks: 20**

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**N.B.:- All questions are compulsory**

**UNIT I**

**Q.1-** Explain biosynthesis of

**A)** Cell wall polysaccharides

10M

**B)** Membrane phospholipids

10M



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

**Department of Microbiology**

**M.Sc. I Semester- I (2022-23)**

**(Paper- I) Microbial Metabolism**

**Result of Unit Test held on 15/10/2022 on Unit II**

**Name of Teacher: Mrs. Madhuri Walvekar**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	AA
2.	Ashwini D. Nandanwar	AA
3.	Asmita A. Wagh	11
4.	Diksha S. Choube	14
5.	Janhavi D. Parbat	14
6.	Kaniz A. Sheikh	12
7.	Komal N. Nibrad	15
8.	Nimmi D. Kumbhare	08
9.	Nisha G. Khaparde	15
10.	Prachi P. Thakur	14
11.	Pratiksha R. Teltumde	12
12.	Rutuja R. Meshram	10
13.	Sejal U. Nilatkar	AA
14.	Shivani R. Vikhar	10
15.	Simran V. Bode	11
16.	Sushma D. Lilhare	15
17.	Vaibhav S. Jaronde	17
18.	Vaishnavi Nannaware	15
19.	Vaishnavi M. Shende	AA
20.	Vanshika A. Gandhare	13



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Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
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 protein folding and denaturation curves** **10M**

**Q.2- Give the structure of Duplex DNA** **10M**



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology**

**M.Sc. I Semester- I (2022-23)**

**Paper II (Enzymology and Techniques)  
Result of Unit Test held on 21/09/2022 on Unit I**

**Name of Teacher: Dr. Manpreet Kour**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	12
2.	Ashwini D. Nandanwar	12
3.	Asmita A. Wagh	12
4.	Diksha S. Choube	15
5.	Janhavi D. Parbat	14
6.	Kaniz A. Sheikh	18
7.	Komal N. Nibrad	12
8.	Nimmi D. Kumbhare	12
9.	Nisha G. Khaparde	14
10.	Prachi P. Thakur	14
11.	Pratiksha R. Teltumde	12
12.	Rutuja R. Meshram	10
13.	Sejal U. Nilatkar	AA
14.	Shivani R. Vikhar	11
15.	Simran V. Bode	15
16.	Sushma D. Lilhare	17
17.	Vaibhav S. Jaronde	15
18.	Vaishnavi Nannaware	AA
19.	Vaishnavi M. Shende	13
20.	Vanshika A. Gandhare	11

**Signature of the Teacher**

**Dr. Manpreet Kour**



**Head of the department**

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**NAGPUR.**

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Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
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.:- All questions are compulsory**

**UNIT I**

**Q.1-Give an Account on Michaelis-Menton Equation. 10M**

**Q.2-Explain Kinetics of Bisubstrate Reaction. 10M**



**Signature of the Teacher**

**Dr. Manpreet Kour**



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology**

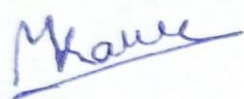
**M.Sc. I Semester- I (2022-23)**

**Paper II (Enzymology and Techniques)**

**Result of Unit Test held on 19/10/2022 on Unit II**

**Name of Teacher: Dr. Manpreet Kour**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	12
2.	Ashwini D. Nandanwar	12
3.	Asmita A. Wagh	12
4.	Diksha S. Choube	15
5.	Janhavi D. Parbat	14
6.	Kaniz A. Sheikh	18
7.	Komal N. Nibrad	12
8.	Nimmi D. Kumbhare	12
9.	Nisha G. Khaparde	14
10.	Prachi P. Thakur	14
11.	Pratiksha R. Teltumde	12
12.	Rutuja R. Meshram	10
13.	Sejal U. Nilatkar	AA
14.	Shivani R. Vikhar	11
15.	Simran V. Bode	15
16.	Sushma D. Lilhare	17
17.	Vaibhav S. Jaronde	15
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Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY  
Paper II (Enzymology and Techniques)  
Unit Test on Unit II**

**Time: 60 min**

**Maximum Marks: 20**

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**N.B.:- All questions are compulsory**

**UNIT II**

**Q.1-Write a note on covalent Catalysis and Metal Ion Cofactor. 10M**

**Q.2-Explain Active Site and Mechanism of Serine Protease. 10M**



**Signature of the Teacher**

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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S  
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**Department of Microbiology**

**M.Sc. I Semester- I (2022-23)**

**Paper III (Advance Techniques in Microbiology)  
Result of Unit Test held on 10/12/2022 on Unit III**

**Name of Teacher: Dr. Pranita Gulhane**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	10
2.	Ashwini D. Nandanwar	AA
3.	Asmita A. Wagh	08
4.	Diksha S. Choube	15
5.	Janhavi D. Parbat	14
6.	Kaniz A. Sheikh	12
7.	Komal N. Nibrad	AA
8.	Nimmi D. Kumbhare	AA
9.	Nisha G. Khaparde	AA
10.	Prachi P. Thakur	11
11.	Pratiksha R. Teltumde	15
12.	Rutuja R. Meshram	17
13.	Sejal U. Nilatkar	15
14.	Shivani R. Vikhar	AA
15.	Simran V. Bode	13
16.	Sushma D. Lilhare	AA
17.	Vaibhav S. Jaronde	AA
18.	Vaishnavi Nannaware	14
19.	Vaishnavi M. Shende	17
20.	Vanshika A. Gandhare	14

**Signature of the Teacher**

**Dr. Pranita Gulhane**



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Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
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- Write a note on FISH** **10M**

**Q.2- Explain atomic force microscopy** **10M**



**Signature of the Teacher**

**Dr. Pranita Gulhane**



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology**

**M.Sc. I Semester- I (2022-23)**

**Paper III (Advance Techniques in Microbiology)  
Result of Unit Test held on 30/12/2022 on Unit IV**

**Name of Teacher: Pranita Gulhane**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	12
2.	Ashwini D. Nandanwar	12
3.	Asmita A. Wagh	15
4.	Diksha S. Choube	14
5.	Janhavi D. Parbat	18
6.	Kaniz A. Sheikh	12
7.	Komal N. Nibrad	12
8.	Nimmi D. Kumbhare	14
9.	Nisha G. Khaparde	14
10.	Prachi P. Thakur	12
11.	Pratiksha R. Teltumde	10
12.	Rutuja R. Meshram	AA
13.	Sejal U. Nilatkar	11
14.	Shivani R. Vikhar	15
15.	Simran V. Bode	17
16.	Sushma D. Lilhare	15
17.	Vaibhav S. Jaronde	AA
18.	Vaishnavi Nannaware	AA
19.	Vaishnavi M. Shende	AA
20.	Vanshika A. Gandhare	18



**Signature of the 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 (2022-2023)  
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY  
Paper III (Advance Techniques in Microbiology)  
Unit Test on Unit IV**

**Time: 60 min**

**Maximum Marks: 20**

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**N.B.:- All questions are compulsory**

**UNIT IV**

**Q.1- Explain site directed mutagenesis** **10M**

**Q.2- Explain transcriptional start point mapping** **10M**



**Signature of the 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- I (2022-23)**

**Paper IV (Membrane Structure and Signal Transduction)**

**Result of Unit Test held on 08/10/2022 on Unit I**

**Name of Teacher: Dr. Sapna Baghel**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	14
2.	Ashwini D. Nandanwar	15
3.	Asmita A. Wagh	16
4.	Diksha S. Choube	15
5.	Janhavi D. Parbat	14
6.	Kaniz A. Sheikh	10
7.	Komal N. Nibrad	AA
8.	Nimmi D. Kumbhare	AA
9.	Nisha G. Khaparde	15
10.	Prachi P. Thakur	13
11.	Pratiksha R. Teltumde	12
12.	Rutuja R. Meshram	12
13.	Sejal U. Nilatkar	10
14.	Shivani R. Vikhar	AA
15.	Simran V. Bode	AA
16.	Sushma D. Lilhare	14
17.	Vaibhav S. Jaronde	AA
18.	Vaishnavi Nannaware	10
19.	Vaishnavi M. Shende	12
20.	Vanshika A. Gandhare	15



**Signature of the Teacher**

**Dr. Sapna Baghel**



**Head of the department**

**Dr. Pranita Gulhane**

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

**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
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 structure of mitochondria in detail** **10M**

**Q.2- Explain flow cytometry** **10M**



**Signature of the Teacher**

**Dr. Sapna Baghel**



**Head of the department**

**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- I (2022-23)**

**Paper IV (Membrane Structure and Signal Transduction)**

**Result of Unit Test held on 03/12/2022 on Unit IV**

**Name of Teacher: Dr. Sapna Baghel**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	AA
2.	Ashwini D. Nandanwar	AA
3.	Asmita A. Wagh	09
4.	Diksha S. Choube	10
5.	Janhavi D. Parbat	12
6.	Kaniz A. Sheikh	15
7.	Komal N. Nibrad	18
8.	Nimmi D. Kumbhare	16
9.	Nisha G. Khaparde	17
10.	Prachi P. Thakur	15
11.	Pratiksha R. Teltumde	15
12.	Rutuja R. Meshram	10
13.	Sejal U. Nilatkar	AA
14.	Shivani R. Vikhar	AA
15.	Simran V. Bode	AA
16.	Sushma D. Lilhare	12
17.	Vaibhav S. Jaronde	15
18.	Vaishnavi Nannaware	10
19.	Vaishnavi M. Shende	18
20.	Vanshika A. Gandhare	18



**Signature of the Teacher**

**Dr. Sapna Baghel**



**Head of the department**

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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY  
Paper IV (Membrane Structure and Signal Transduction)  
Unit Test on Unit IV**

**Time: 60 min**

**Maximum Marks: 20**

**N.B.:- All questions are compulsory**

**UNIT IV**

**Q.1- Describe osmoregulatory pathways 10M**

**Q.2- Explain sporulation as a model of bacterial signal transduction 10M**



**Signature of the Teacher**

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

**Department of Microbiology**

**M.Sc. II Semester- III (2022-23)**

**Molecular Biology and Genetics (Paper- I)**

**Result of Unit Test held on 16/11/2022 on Unit III**

**Name of Teacher: Dr. Manpreet Kour**

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	12
2.	Akshara A. Irkulwar	16
3.	Bhagyashree K. Uikey	12
4.	Dipti A. Charde	11
5.	Gauri R. Bhutad	14
6.	Harsha J. Poddar	10
7.	Hiteshi R. Wadibhasme	AA
8.	Janhvi R. Zade	08
9.	Khushbu U. Choukiker	15
10.	Mansi S. Bramhankar	14
11.	Neha D. Mahant	12
12.	Rutika D. Kowe	AA
13.	Savita B. Khandate	AA
14.	Shraddha P Tiwari	AA
15.	ShudhanshuPandharey	11
16.	Siddhi S. Uplenchwar	15
17.	Tanavi W. Raut	17
18.	Tanuja C. Sable	14
19.	Triveni S. Pardhi	12
20.	Vaishnavi I. Wairagade	12



**Signature of the Teacher**

**Dr. Manpreet Kour**



**Head of the department**

**Dr. Pranita Gulhane**

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Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- III) MICROBIOLOGY  
Paper I (Molecular Biology and Genetics)  
Unit Test on Unit III**

**Time: 60 min**

**Maximum Marks: 20**

**N.B.:- All questions are compulsory**

**UNIT III**

**Q.1- Write a note on Trp Opron 10M**

**Q.2- Describe protein degradation control 10M**



**Signature of the Teacher**

**Dr. Manpreet Kour**



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology**

**M.Sc. II Semester- III (2022-23)**

**Molecular Biology and Genetics (Paper-I )**

**Result of Unit Test held on 23/12/2022 on Unit IV**

**Name of Teacher: Dr. Manpreet Kour**

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	AA
2.	Akshara A. Irkulwar	AA
3.	Bhagyashree K. Uikey	11
4.	Dipti A. Charde	14
5.	Gauri R. Bhutad	14
6.	Harsha J. Poddar	12
7.	Hiteshi R. Wadibhasme	15
8.	Janhvi R. Zade	08
9.	Khushbu U. Choukiker	15
10.	Mansi S. Bramhankar	14
11.	Neha D. Mahant	12
12.	Rutika D. Kowe	10
13.	Savita B. Khandate	AA
14.	Shraddha P Tiwari	10
15.	ShudhanshuPandharey	11
16.	Siddhi S. Uplenchwar	15
17.	Tanavi W. Raut	17
18.	Tanuja C. Sable	15
19.	Triveni S. Pardhi	AA
20.	Vaishnavi I. Wairagade	13



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**Dr. Manpreet Kour**



**Head of the department**

**Dr. Pranita Gulhane**

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Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- III) MICROBIOLOGY  
Paper I (Molecular Biology and Genetics)  
Unit Test on Unit IV**

**Time: 60 min**


**Maximum Marks: 20**

**N.B.:- All questions are compulsory**

**UNIT IV**

**Q.1- Explain mapping bacteriophage gene by recombination analysis 10M**

**Q.2- Describe retroposons 10M**



**Signature of the Teacher**

**Dr. Manpreet Kour**





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**Department of Microbiology**

**M.Sc. II Semester- III (2022-23)**

**Recombinant DNA technology and Nanobiotechnology (Paper-II )**

**Result of Unit Test held on 07/12/2022 on Unit I**

**Name of Teacher: Mrs. Madhuri Walvekar**

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	12
2.	Akshara A. Irkulwar	12
3.	Bhagyashree K. Uikey	12
4.	Dipti A. Charde	15
5.	Gauri R. Bhutad	14
6.	Harsha J. Poddar	18
7.	Hiteshi R. Wadibhasme	12
8.	Janhvi R. Zade	12
9.	Khushbu U. Choukiker	14
10.	Mansi S. Bramhankar	14
11.	Neha D. Mahant	12
12.	Rutika D. Kowe	10
13.	Savita B. Khandate	AA
14.	Shraddha P Tiwari	11
15.	ShudhanshuPandharey	15
16.	Siddhi S. Uplenchwar	17
17.	Tanavi W. Raut	15
18.	Tanuja C. Sable	AA
19.	Triveni S. Pardhi	13
20.	Vaishnavi I. Wairagade	11



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**Mrs. Madhuri Walvekar**



**Head of the department**

**Dr. Pranita Gulhane**

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Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- III) MICROBIOLOGY  
Paper II (Recombinant DNA technology and Nano Biotechnology)  
Unit Test on Unit I**

**Time: 60 min**

**Maximum Marks: 20**

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**N.B:- All questions are compulsory**

**UNIT I**

**Q.1-Explain heterologous probes and oligonucleotide probes. 10M**

**Q.2- Write a note on genomic library and cDNA library. 10M**



**Signature of the Teacher**

**Mrs. Madhuri Walvekar**



**Head of the department**

**Dr. Pranita Gulhane**

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

**Department of Microbiology**

**M.Sc. II Semester- III (2022-23)**

**Recombinant DNA technology and Nanobiotechnology (Paper-II )**

**Result of Unit Test held on 10/11/2022 on Unit II**

**Name of Teacher: Mrs. Madhuri Walvekar**

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	12
2.	Akshara A. Irkulwar	12
3.	Bhagyashree K. Uikey	12
4.	Dipti A. Charde	15
5.	Gauri R. Bhutad	14
6.	Harsha J. Poddar	18
7.	Hiteshi R. Wadibhasme	12
8.	Janhvi R. Zade	12
9.	Khushbu U. Choukiker	14
10.	Mansi S. Bramhankar	14
11.	Neha D. Mahant	12
12.	Rutika D. Kowe	10
13.	Savita B. Khandate	AA
14.	Shraddha P Tiwari	11
15.	ShudhanshuPandharey	15
16.	Siddhi S. Uplenchwar	17
17.	Tanavi W. Raut	15
18.	Tanuja C. Sable	AA
19.	Triveni S. Pardhi	13
20.	Vaishnavi I. Wairagade	11



**Signature of the Teacher**

**Mrs. Madhuri Walvekar**



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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- III) MICROBIOLOGY  
Paper II (Recombinant DNA technology and Nano Biotechnology)  
Unit Test on Unit II**

**Time: 60 min**

**Maximum Marks: 20**

**N.B:- All questions are compulsory**

**UNIT II**

**Q.1-Explain Dnase footprinting. 10M**

**Q.2-Give the account on .reporter gene transcription 10M**



**Signature of the Teacher  
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SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S  
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Microbiology

M.Sc. II Semester- I (2022-23)

Microbial Diversity, Evolution and Ecology-I (Paper-III)

Result of Unit Test held on 11/10/2022 on Unit I

Name of Teacher: Dr. Sapna Baghel

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	10
2.	Akshara A. Irkulwar	AA
3.	Bhagyashree K. Uikey	08
4.	Dipti A. Charde	15
5.	Gauri R. Bhutad	14
6.	Harsha J. Poddar	12
7.	Hiteshi R. Wadibhasme	AA
8.	Janhvi R. Zade	AA
9.	Khushbu U. Choukiker	AA
10.	Mansi S. Bramhankar	11
11.	Neha D. Mahant	15
12.	Rutika D. Kowe	17
13.	Savita B. Khandate	15
14.	Shraddha P Tiwari	AA
15.	ShudhanshuPandharey	13
16.	Siddhi S. Uplenchwar	AA
17.	Tanavi W. Raut	AA
18.	Tanuja C. Sable	14
19.	Triveni S. Pardhi	17
20.	Vaishnavi I. Wairagade	14



Signature of the Teacher

Dr. Sapna Baghel



Head of the department

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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- III) MICROBIOLOGY  
Paper III (Microbial Diversity Evolution and Ecology)  
Unit Test on Unit I**

**Time: 60 min**

**Maximum Marks: 20**

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**N.B.: All questions are compulsory**

**UNIT I**

- Q.1-** Describe in Detail energy and Carbon Metabolism. 10M
- Q.2-** Explain Ribosomal RNA Sequencing. 10M



**Signature of the Teacher**

**Dr. Sapna Baghel**



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

**Department of Microbiology**

**M.Sc. II Semester- III (2022-23)**

**Microbial Diversity, Evolution and Ecology-I (Paper-III )**

**Result of Unit Test held on 14/11/2022 on Unit II**

**Name of Teacher: Dr. Sapna Baghel**

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	12
2.	Akshara A. Irkulwar	12
3.	Bhagyashree K. Uikey	15
4.	Dipti A. Charde	14
5.	Gauri R. Bhutad	18
6.	Harsha J. Poddar	12
7.	Hiteshi R. Wadibhasme	12
8.	Janhvi R. Zade	14
9.	Khushbu U. Choukiker	14
10.	Mansi S. Bramhankar	12
11.	Neha D. Mahant	10
12.	Rutika D. Kowe	AA
13.	Savita B. Khandate	11
14.	Shraddha P Tiwari	15
15.	ShudhanshuPandharey	17
16.	Siddhi S. Uplenchwar	15
17.	Tanavi W. Raut	AA
18.	Tanuja C. Sable	AA
19.	Triveni S. Pardhi	AA
20.	Vaishnavi I. Wairagade	18



**Signature of the Teacher**

**Dr. Sapna Baghel**



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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- III) MICROBIOLOGY  
Paper III (Microbial Diversity Evolution and Ecology)  
Unit Test on Unit II**

**Time: 60 min**

**Maximum Marks: 20**

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**N.B.: All questions are compulsory**

**UNIT II**

**Q.1- Describe About Phylum Crenarchaeota. 10M**

**Q.2- Explain in Detail about Heat stable biomolecules and extremophiles. 10M**



**Signature of the Teacher**

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

**Department of Microbiology**

**M.Sc. II Semester- III (2022-23)**

**Drugs and Disease Management (Paper-IV )**

**Result of Unit Test held on 18/10/2022 on Unit I**

**Name of Teacher: Dr. Pranita Gulhane**

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	14
2.	Akshara A. Irkulwar	15
3.	Bhagyashree K. Uikey	16
4.	Dipti A. Charde	15
5.	Gauri R. Bhutad	14
6.	Harsha J. Poddar	10
7.	Hiteshi R. Wadibhasme	AA
8.	Janhvi R. Zade	AA
9.	Khushbu U. Choukiker	15
10.	Mansi S. Bramhankar	13
11.	Neha D. Mahant	12
12.	Rutika D. Kowe	12
13.	Savita B. Khandate	10
14.	Shraddha P Tiwari	AA
15.	ShudhanshuPandharey	AA
16.	Siddhi S. Uplenchwar	14
17.	Tanavi W. Raut	AA
18.	Tanuja C. Sable	10
19.	Triveni S. Pardhi	12
20.	Vaishnavi I. Wairagade	15



**Signature of the Teacher**

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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- III) MICROBIOLOGY  
Paper IV (Drugs and Disease Management)  
Unit Test on Unit I**

**Time: 60 min**

**Maximum Marks: 20**

**N.B.:- All questions are compulsory**

**UNIT I**

**Q.1- Explain carrier linked prodrugs 10M**

**Q.2- Describe drug-microbe host relationship 10M**



**Signature of the Teacher**

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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S  
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**Department of Microbiology**

**M.Sc. II Semester- III (2022-23)**

**Drugs and Disease Management (Paper-IV )**

**Result of Unit Test held on 14/11/2022 on Unit II**

**Name of Teacher: Dr. Pranita Gulhane**

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	AA
2.	Akshara A. Irkulwar	AA
3.	Bhagyashree K. Uikey	09
4.	Dipti A. Charde	10
5.	Gauri R. Bhutad	12
6.	Harsha J. Poddar	15
7.	Hiteshi R. Wadibhasme	18
8.	Janhvi R. Zade	16
9.	Khushbu U. Choukiker	17
10.	Mansi S. Bramhankar	15
11.	Neha D. Mahant	15
12.	Rutika D. Kowe	10
13.	Savita B. Khandate	AA
14.	Shraddha P Tiwari	AA
15.	ShudhanshuPandharey	AA
16.	Siddhi S. Uplenchwar	12
17.	Tanavi W. Raut	15
18.	Tanuja C. Sable	10
19.	Triveni S. Pardhi	18
20.	Vaishnavi I. Wairagade	18



**Signature of the Teacher**

**Dr. Pranita Gulhane**





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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
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- Write a note on Amphotericin B** 10M

**Q.2- Explain mechanism of action of clotrimazole** 10M



**Signature of the Teacher**

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

**Department of Microbiology**

**M.Sc. I Semester- II (2022-23)**

**Paper I (Microbial Methods for Environment Management)**

**Result of Unit Test held on 21/03/2023 on Unit II**

**Name of Teacher: Ms. Asmita Phophate**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	AA
2.	Ashwini D. Nandanwar	11
3.	Asmita A. Wagh	15
4.	Diksha S. Choube	17
5.	Janhavi D. Parbat	15
6.	Kaniz A. Sheikh	AA
7.	Komal N. Nibrad	13
8.	Nimmi D. Kumbhare	AA
9.	Nisha G. Khaparde	AA
10.	Prachi P. Thakur	14
11.	Pratiksha R. Teltumde	17
12.	Rutuja R. Meshram	14
13.	Sejal U. Nilatkar	10
14.	Shivani R. Vikhar	15
15.	Simran V. Bode	AA
16.	Sushma D. Lilhare	AA
17.	Vaibhav S. Jaronde	AA
18.	Vaishnavi Nannaware	10
19.	Vaishnavi M. Shende	15
20.	Vanshika A. Gandhare	18

*Asmita Phophate*

**Signature of the Teacher**

**Ms. Asmita Phophate**



*Pranita Gulhane*

**Head of the department**

**Dr. Pranita Gulhane**

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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
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.: All questions are compulsory**

**UNIT II**

**Q.1-Explain Biotransformation of Metals and Metalloids. 10M**

**Q.2-Describe About Bioleaching of Ores. 10M**



**Signature of the Teacher**

**Ms. Asmita Phophate**



**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 (2022-23)**

**Paper I (Microbial Methods for Environment Management)**

**Result of Unit Test held on 13/04/2023 on Unit III**

**Name of Teacher: Ms. Asmita Phophate**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	12
2.	Ashwini D. Nandanwar	15
3.	Asmita A. Wagh	14
4.	Diksha S. Choube	18
5.	Janhavi D. Parbat	12
6.	Kaniz A. Sheikh	12
7.	Komal N. Nibrad	14
8.	Nimmi D. Kumbhare	14
9.	Nisha G. Khaparde	12
10.	Prachi P. Thakur	10
11.	Pratiksha R. Teltumde	15
12.	Rutuja R. Meshram	18
13.	Sejal U. Nilatkar	17
14.	Shivani R. Vikhar	AA
15.	Simran V. Bode	11
16.	Sushma D. Lilhare	15
17.	Vaibhav S. Jaronde	17
18.	Vaishnavi Nannaware	15
19.	Vaishnavi M. Shende	AA
20.	Vanshika A. Gandhare	13

*Asmita Phophate*

**Signature of the Teacher**

**Ms. Asmita Phophate**



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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 (2022-2023)  
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.: All questions are compulsory**

**UNIT III**

**Q.1-Give an account on Aerated Lagoons and Trickling Filter. 10M**

**Q.2-Write in Detail about Rotatory Biological Contractor. 10M**

*Asmitha Phosphate*

**Signature of the Teacher**

**Ms. Asmita Phosphate**



*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- II (2022-23)**

**Paper II (Microbial Metabolites)**

**Result of Unit Test held on 16/03/2023 on Unit I**

**Name of Teacher: Ms. Manali Kakde**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	AA
2.	Ashwini D. Nandanwar	13
3.	Asmita A. Wagh	AA
4.	Diksha S. Choube	AA
5.	Janhavi D. Parbat	14
6.	Kaniz A. Sheikh	17
7.	Komal N. Nibrad	14
8.	Nimmi D. Kumbhare	12
9.	Nisha G. Khaparde	12
10.	Prachi P. Thakur	12
11.	Pratiksha R. Teltumde	15
12.	Rutuja R. Meshram	14
13.	Sejal U. Nilatkar	18
14.	Shivani R. Vikhar	18
15.	Simran V. Bode	19
16.	Sushma D. Lilhare	15
17.	Vaibhav S. Jaronde	10
18.	Vaishnavi Nannaware	12
19.	Vaishnavi M. Shende	10
20.	Vanshika A. Gandhare	AA



**Signature of the Teacher**

**Ms. Manali Kakde**



**Head of the department**

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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- II) MICROBIOLOGY  
Paper II (Microbial Metabolites)  
Unit Test on Unit I**

**Time: 60 min**

**Maximum Marks: 20**

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**N.B.: All questions are compulsory**

**UNIT I**

**Q.1- Explain in detail about Myotoxin. 10M**

**Q.2-Write in Detail about Putrescine and Cadoverine. 10M**



**Signature of the Teacher**

**Ms. Manali Kakde**



**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- II (2022-23)**

**Paper II (Microbial Metabolites)**

**Result of Unit Test held on 31/03/2023 on Unit II**

**Name of Teacher: Ms. Manali Kakde**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	15
2.	Ashwini D. Nandanwar	14
3.	Asmita A. Wagh	18
4.	Diksha S. Choube	18
5.	Janhavi D. Parbat	19
6.	Kaniz A. Sheikh	15
7.	Komal N. Nibrad	10
8.	Nimmi D. Kumbhare	12
9.	Nisha G. Khaparde	10
10.	Prachi P. Thakur	AA
11.	Pratiksha R. Teltumde	12
12.	Rutuja R. Meshram	12
13.	Sejal U. Nilatkar	08
14.	Shivani R. Vikhar	15
15.	Simran V. Bode	14
16.	Sushma D. Lilhare	12
17.	Vaibhav S. Jaronde	AA
18.	Vaishnavi Nannaware	AA
19.	Vaishnavi M. Shende	AA
20.	Vanshika A. Gandhare	11



**Signature of the Teacher**

**Ms. Manali Kakde**



**Head of the department**

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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- II) MICROBIOLOGY  
Paper II (Microbial Metabolites)  
Unit Test on Unit II**

**Time: 60 min**

**Maximum Marks: 20**

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**N.B.: All questions are compulsory**

**UNIT II**

**Q.1-** Give a Detail account on Mechanism of Action and Structure of Quinolones. 10M

**Q.2-** Explain Mechanism of action and Structure of Sulphonamide. 10M



**Signature of the Teacher**

**Ms. Manali Kakde**



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

**Department of Microbiology**

**M.Sc. I Semester- II (2022-23)**

**Paper III (Medical Microbiology and Parasitology)**

**Result of Unit Test held on 11/03/2023 on Unit I**

**Name of Teacher: Dr. Pranita Gulhane**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	14
2.	Ashwini D. Nandanwar	15
3.	Asmita A. Wagh	18
4.	Diksha S. Choube	18
5.	Janhavi D. Parbat	14
6.	Kaniz A. Sheikh	15
7.	Komal N. Nibrad	16
8.	Nimmi D. Kumbhare	12
9.	Nisha G. Khaparde	10
10.	Prachi P. Thakur	10
11.	Pratiksha R. Teltumde	15
12.	Rutuja R. Meshram	14
13.	Sejal U. Nilatkar	AA
14.	Shivani R. Vikhar	AA
15.	Simran V. Bode	10
16.	Sushma D. Lilhare	AA
17.	Vaibhav S. Jaronde	14
18.	Vaishnavi Nannaware	12
19.	Vaishnavi M. Shende	13
20.	Vanshika A. Gandhare	AA



**Signature of the 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 (2022-2023)  
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 aggressions and toxins** **10M**

**Q.2- Give the mechanism of bacterial adhesion** **10M**



**Signature of the 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 (2022-23)**

**Paper III (Medical Microbiology and Parasitology)**

**Result of Unit Test held on 27/03/2023 on Unit II**

**Name of Teacher: Dr. Pranita Gulhane**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	AA
2.	Ashwini D. Nandanwar	15
3.	Asmita A. Wagh	10
4.	Diksha S. Choube	12
5.	Janhavi D. Parbat	15
6.	Kaniz A. Sheikh	18
7.	Komal N. Nibrad	14
8.	Nimmi D. Kumbhare	16
9.	Nisha G. Khaparde	15
10.	Prachi P. Thakur	AA
11.	Pratiksha R. Teltumde	AA
12.	Rutuja R. Meshram	AA
13.	Sejal U. Nilatkar	10
14.	Shivani R. Vikhar	12
15.	Simran V. Bode	15
16.	Sushma D. Lilhare	AA
17.	Vaibhav S. Jaronde	15
18.	Vaishnavi Nannaware	13
19.	Vaishnavi M. Shende	AA
20.	Vanshika A. Gandhare	15



**Signature of the Teacher**

**Dr. Pranita Gulhane**



**Head of the department**

**Dr. Pranita Gulhane**

**HEAD  
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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
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-** Explain the lab diagnosis and pathogenesis of *Vibrio cholerae* 10M
- Q.2-** Give the morphology and pathogenesis of *Shigella dysenteriae* 10M



**Signature of the 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- II (2022-23)**

**Paper IV (Immunology and Immunodiagnostics)**

**Result of Unit Test held on 03/04/2023 on Unit II**

**Name of Teacher: Dr. Sapna Baghel**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	10
2.	Ashwini D. Nandanwar	12
3.	Asmita A. Wagh	15
4.	Diksha S. Choube	18
5.	Janhavi D. Parbat	14
6.	Kaniz A. Sheikh	10
7.	Komal N. Nibrad	AA
8.	Nimmi D. Kumbhare	15
9.	Nisha G. Khaparde	14
10.	Prachi P. Thakur	AA
11.	Pratiksha R. Teltumde	AA
12.	Rutuja R. Meshram	10
13.	Sejal U. Nilatkar	15
14.	Shivani R. Vikhar	AA
15.	Simran V. Bode	12
16.	Sushma D. Lilhare	10
17.	Vaibhav S. Jaronde	15
18.	Vaishnavi Nannaware	18
19.	Vaishnavi M. Shende	17
20.	Vanshika A. Gandhare	AA



**Signature of the Teacher**

**Dr. Sapna Baghel**



**Head of the department**

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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- II) MICROBIOLOGY  
Paper IV (Immunology and Immunodiagnostics)  
Unit Test on Unit II**

**Time: 60 min**

**Maximum Marks: 20**

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**N.B.: All questions are compulsory**

**UNIT II**

**Q.1- Describe About Immune Surveillance Theory. 10M**

**Q.2- Explain Mechanism of Induction of Natural Tolerance. 10M**



**Signature of the Teacher**

**Dr. Sapna Baghel**



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology**

**M.Sc. I Semester- II (2022-23)**

**Paper IV (Immunology and Immunodiagnostics)  
Result of Unit Test held on 13/04/2023 on Unit III**

**Name of Teacher: Dr. Sapna Baghel**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Akanksha V. Meshram	18
2.	Ashwini D. Nandanwar	12
3.	Asmita A. Wagh	12
4.	Diksha S. Choube	14
5.	Janhavi D. Parbat	14
6.	Kaniz A. Sheikh	AA
7.	Komal N. Nibrad	11
8.	Nimmi D. Kumbhare	15
9.	Nisha G. Khaparde	17
10.	Prachi P. Thakur	15
11.	Pratiksha R. Teltumde	AA
12.	Rutuja R. Meshram	13
13.	Sejal U. Nilatkar	AA
14.	Shivani R. Vikhar	12
15.	Simran V. Bode	16
16.	Sushma D. Lilhare	12
17.	Vaibhav S. Jaronde	11
18.	Vaishnavi Nannaware	14
19.	Vaishnavi M. Shende	10
20.	Vanshika A. Gandhare	AA



**Signature of the Teacher**

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Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- II) MICROBIOLOGY  
Paper IV (Immunology and Immunodiagnostics)  
Unit Test on Unit III**

**Time: 60 min**

**Maximum Marks: 20**

**N.B.:All questions are compulsory**

**UNIT III**

**Q.1- Write a note on Guillain Barre Syndrome . 10M**

**Q.2- Describe in detail about Multiple Sclerosis. 10M**



**Signature of the Teacher**

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


**Department of Microbiology  
M.Sc. II Semester- IV (2022-23)**

**Virology (Paper-I)**

**Result of Unit Test held on 13/04/2023 on Unit III**

**Name of Teacher: Ms. Manali Kakde**

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	AA
2.	Akshara A. Irkulwar	11
3.	Bhagyashree K. Uikey	15
4.	Dipti A. Charde	17
5.	Gauri R. Bhutad	15
6.	Harsha J. Poddar	AA
7.	Hiteshi R. Wadibhasme	13
8.	Janhvi R. Zade	AA
9.	Khushbu U. Choukiker	AA
10.	Mansi S. Bramhankar	14
11.	Neha D. Mahant	17
12.	Rutika D. Kowe	14
13.	Savita B. Khandate	10
14.	Shraddha P Tiwari	15
15.	ShudhanshuPandharey	AA
16.	Siddhi S. Uplenchwar	AA
17.	Tanavi W. Raut	AA
18.	Tanuja C. Sable	10
19.	Triveni S. Pardhi	15
20.	Vaishnavi I. Wairagade	18



**Signature of the Teacher**

**Ms. Manali Kakde**



**Head of the department**

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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
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-Write a note on Rhabdovirus. 10M**

**Q.2-Explain Cauliflower mosaic virus. 10M**



**Signature of the Teacher**

**Ms. Manali Kakde**



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

**Department of Microbiology  
M.Sc. II Semester- IV (2022-23)**

**Virology (Paper-I)**

**Result of Unit Test held on 29/04/2023 on Unit IV**

**Name of Teacher: Ms. Manali Kakde**

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	12
2.	Akshara A. Irkulwar	15
3.	Bhagyashree K. Uikey	14
4.	Dipti A. Charde	18
5.	Gauri R. Bhutad	12
6.	Harsha J. Poddar	12
7.	Hiteshi R. Wadibhasme	14
8.	Janhvi R. Zade	14
9.	Khushbu U. Choukiker	12
10.	Mansi S. Bramhankar	10
11.	Neha D. Mahant	15
12.	Rutika D. Kowe	18
13.	Savita B. Khandate	17
14.	Shraddha P Tiwari	AA
15.	ShudhanshuPandharey	11
16.	Siddhi S. Uplenchwar	15
17.	Tanavi W. Raut	17
18.	Tanuja C. Sable	15
19.	Triveni S. Pardhi	AA
20.	Vaishnavi I. Wairagade	13



**Signature of the Teacher**

**Ms. Manali Kakde**



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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY  
Paper I (Virology)  
Unit Test on Unit IV**

**Time: 60 min**

**Maximum Marks: 20**

**N.B:- All questions are compulsory.**

**UNIT IV**

- Q.1-Give a note on Haemadsorption inhibition** 10M
- Q.2-Explain Ganciclovir and Ribavirin .** 10M



**Signature of the Teacher**

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

**Department of Microbiology**

**M.Sc. II Semester-IV (2022-23)**

**Microbial Fermentation Technology (Paper-II)**

**Result of Unit Test held on 17/03/2023 on Unit I**

**Name of Teacher: Dr. Sapna Baghel**

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	AA
2.	Akshara A. Irkulwar	13
3.	Bhagyashree K. Uikey	AA
4.	Dipti A. Charde	AA
5.	Gauri R. Bhutad	14
6.	Harsha J. Poddar	17
7.	Hiteshi R. Wadibhasme	14
8.	Janhvi R. Zade	12
9.	Khushbu U. Choukiker	12
10.	Mansi S. Bramhankar	12
11.	Neha D. Mahant	15
12.	Rutika D. Kowe	14
13.	Savita B. Khandate	18
14.	Shraddha P Tiwari	18
15.	ShudhanshuPandharey	19
16.	Siddhi S. Uplenchwar	15
17.	Tanavi W. Raut	10
18.	Tanuja C. Sable	12
19.	Triveni S. Pardhi	10
20.	Vaishnavi I. Wairagade	AA



**Signature of the Teacher**

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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY  
Paper II (Microbial Fermentation Technology)  
Unit Test on Unit I**

**Time: 60 min**

**Maximum Marks: 20**

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**N.B:- All questions are compulsory**

**UNIT I**

- Q.1-** Explain the types of fermentation. 10M
- Q.2-** Add a note on rheology of fermentation fluid. 10M



**Signature of the Teacher**

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

**Department of Microbiology**

**M.Sc. III Semester-IV (2022-23)**

**Microbial Fermentation Technology (Paper-II )**

**Result of Unit Test held on 06/04/2023 on Unit II**

**Name of Teacher: Dr. Sapna Baghel**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Marks out of 20</b>
1.	Aishwarya S Mohatkar	15
2.	Akshara A. Irkulwar	14
3.	Bhagyashree K. Uikey	18
4.	Dipti A. Charde	18
5.	Gauri R. Bhutad	19
6.	Harsha J. Poddar	15
7.	Hiteshi R. Wadibhasme	10
8.	Janhvi R. Zade	12
9.	Khushbu U. Choukiker	10
10.	Mansi S. Bramhankar	AA
11.	Neha D. Mahant	12
12.	Rutika D. Kowe	12
13.	Savita B. Khandate	08
14.	Shraddha P Tiwari	15
15.	ShudhanshuPandharey	14
16.	Siddhi S. Uplenchwar	12
17.	Tanavi W. Raut	AA
18.	Tanuja C. Sable	AA
19.	Triveni S. Pardhi	AA
20.	Vaishnavi I. Wairagade	11



**Signature of the Teacher**

**Dr. Sapna Baghel**



**Head of the department**

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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY  
Paper II (Microbial Fermentation Technology)  
Unit Test on Unit II**

**Time: 60 min**

**Maximum Marks: 20**

**N.B:- All questions are compulsory.**

**UNIT II**

**Q.1-Explain Downstream processes. 10M**

**Q.2-Give the detail account on scale down process. 10M**



**Signature of the Teacher**

**Dr. Sapna Baghel**



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

**Department of Microbiology**

**M.Sc. II Semester-IV (2022-23)**

**Microbial Diversity, Evolution and Ecology -2 (Paper-III )**

**Result of Unit Test held on 20/03/2023 on Unit I**

**Name of Teacher: Ms. Asmita Phophate**

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	14
2.	Akshara A. Irkulwar	15
3.	Bhagyashree K. Uikey	18
4.	Dipti A. Charde	18
5.	Gauri R. Bhutad	14
6.	Harsha J. Poddar	15
7.	Hiteshi R. Wadibhasme	16
8.	Janhvi R. Zade	12
9.	Khushbu U. Choukiker	10
10.	Mansi S. Bramhankar	10
11.	Neha D. Mahant	15
12.	Rutika D. Kowe	14
13.	Savita B. Khandate	AA
14.	Shraddha P Tiwari	AA
15.	ShudhanshuPandharey	10
16.	Siddhi S. Uplenchwar	AA
17.	Tanavi W. Raut	14
18.	Tanuja C. Sable	12
19.	Triveni S. Pardhi	13
20.	Vaishnavi I. Wairagade	AA

*Asmita Phophate*

**Signature of the Teacher**

**Ms. Asmita Phophate**



*Pranita Gulhane*

**Head of the department**

**Dr. Pranita Gulhane**

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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY  
Paper III (Microbial Diversity, Evolution and Ecology -2)  
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 hydrothermal vents 10
- Q.2-** Describe in details about marine microbiology 10

*Asmита Phophate*

**Signature of the Teacher**

**Ms. Asmita Phophate**



*Pranita Gulhane*

**Head of the department**

**Dr. Pranita Gulhane**

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology**

**M.Sc. II Semester-IV (2022-23)**

**Microbial Diversity, Evolution and Ecology -2 (Paper- III)**

**Result of Unit Test held on 31/03/2023 on Unit II**

**Name of Teacher: Ms. Asmita Phophate**

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	AA
2.	Akshara A. Irkulwar	15
3.	Bhagyashree K. Uikey	10
4.	Dipti A. Charde	12
5.	Gauri R. Bhutad	15
6.	Harsha J. Poddar	18
7.	Hiteshi R. Wadibhasme	14
8.	Janhvi R. Zade	16
9.	Khushbu U. Choukiker	15
10.	Mansi S. Bramhankar	AA
11.	Neha D. Mahant	AA
12.	Rutika D. Kowe	AA
13.	Savita B. Khandate	10
14.	Shraddha P Tiwari	12
15.	ShudhanshuPandharey	15
16.	Siddhi S. Uplenchwar	AA
17.	Tanavi W. Raut	15
18.	Tanuja C. Sable	13
19.	Triveni S. Pardhi	AA
20.	Vaishnavi I. Wairagade	15

*Asmita Phophate*

**Signature of the Teacher**

**Ms. Asmita Phophate**



*Pranita Gulhane*

**Head of the department**

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Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY  
Paper III (Microbial Diversity, Evolution and Ecology -2)  
Unit Test on Unit II**

**Time: 60 min**

**Maximum Marks: 20**

**N.B.:- All questions are compulsory**

**UNIT II**

**Q.1- Explain diversity indices 10M**

**Q.2-Write a note on theories of succession 10M**

*Asmitha Phosphate*

**Signature of the Teacher**

**Ms. Asmita Phosphate**



*Pranita Gulhane*

**Head of the department**

**Dr. Pranita Gulhane**

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

**Department of Microbiology**

**M.Sc. II Semester-IV (2022-23)**

**Vaccines and Delivery System (Paper-IV )**

**Result of Unit Test held on 27/03/2023 on Unit II**

**Name of Teacher: Dr. Pranita Gulhane**

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	AA
2.	Akshara A. Irkulwar	15
3.	Bhagyashree K. Uikey	10
4.	Dipti A. Charde	12
5.	Gauri R. Bhutad	15
6.	Harsha J. Poddar	18
7.	Hiteshi R. Wadibhasme	14
8.	Janhvi R. Zade	16
9.	Khushbu U. Choukiker	15
10.	Mansi S. Bramhankar	AA
11.	Neha D. Mahant	AA
12.	Rutika D. Kowe	AA
13.	Savita B. Khandate	10
14.	Shraddha P Tiwari	12
15.	ShudhanshuPandharey	15
16.	Siddhi S. Uplenchwar	AA
17.	Tanavi W. Raut	15
18.	Tanuja C. Sable	13
19.	Triveni S. Pardhi	AA
20.	Vaishnavi I. Wairagade	15

**Signature of the 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 (2022-2023)  
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY  
Paper IV (Vaccines and Delivery System)  
Unit Test on Unit II**

**Time: 60 min**

**Maximum Marks: 20**

**N. B. :- All questions are compulsory**

**UNIT II**

**Q.1- Explain BCG Vaccine. 10M**

**Q.2- Give a detail account on Polio Vaccine. 10M**



**Signature of the Teacher**

**Dr. Pranita Gulhane**



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

**Department of Microbiology**

**M.Sc. II Semester-IV (2022-23)**

**Vaccines and Delivery System (Paper-IV )**

**Result of Unit Test held on 20/04/2023 on Unit III**

**Name of Teacher: Dr. Pranita Gulhane**

Sr. No	Name of Student	Marks out of 20
1.	Aishwarya S Mohatkar	AA
2.	Akshara A. Irkulwar	15
3.	Bhagyashree K. Uikey	10
4.	Dipti A. Charde	12
5.	Gauri R. Bhutad	15
6.	Harsha J. Poddar	18
7.	Hiteshi R. Wadibhasme	14
8.	Janhvi R. Zade	16
9.	Khushbu U. Choukiker	15
10.	Mansi S. Bramhankar	AA
11.	Neha D. Mahant	AA
12.	Rutika D. Kowe	AA
13.	Savita B. Khandate	10
14.	Shraddha P Tiwari	12
15.	ShudhanshuPandharey	15
16.	Siddhi S. Uplenchwar	AA
17.	Tanavi W. Raut	15
18.	Tanuja C. Sable	13
19.	Triveni S. Pardhi	AA
20.	Vaishnavi I. Wairagade	15



**Signature of the Teacher**

**Dr. Pranita Gulhane**



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Academic Session (2022-2023)  
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY  
Paper IV (Vaccines and Delivery System)  
Unit Test on Unit III**

**Time: 60 min**

**Maximum Marks: 20**

**N. B. :- All questions are compulsory**

**UNIT III**

**Q.1- Write a note on Malaria Vaccines . 10M**

**Q.2- Write a note on HIV Vaccines. 10M**



**Signature of the Teacher**

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