

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

Department of Microbiology

M.Sc. I Semester- I (2023-24)

Microbial Metabolism (Paper- I)

Result of Unit Test held on 11/09/2023 on Unit I

Name of Teacher: Ms. Anjali Pogade

Sr. No	Name of Student	Marks out of 20
1.	Astha A. Sakharwade	12
2.	Akanksha R. Bisen	12
3.	Akanksha V. Tekade	12
4.	Anisha A. Shende	15
5.	Anuradha P. Khope	14
6.	Arshiya S. Mushtaque	18
7.	Arya S. Walode	12
8.	Bhisvani M. Dhurve	12
9.	Ishita Y. Padgil	14
10.	Ishwari N. Gawande	14
11.	Leena N. Meher	12
12.	Manisha G. Lilhare	10
13.	Manisha R. Roy	AA
14.	Namrata O. Nagose	11
15.	Ojaswini R. Bhagat	15
16.	Rujuta R. Ramteke	17
17.	Shamim M. Shahzad	15
18.	Shivam A. Dekapurwar	AA
19.	Snehal N. Sahare	13
20.	Vaishnavi V. Ingle	11
21.	Vami K. Masram	
22.	Yashoda R. Wade	



Signature of the Teacher

Ms. Anjali Pogade



Head of the department

Dr. P.B. Gulhane

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

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session (2023-2024)
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- Write a note on Reverse TCA cycle | 10 |
| Q.2- Explain in detail Plant Lectins. | 10 |



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- I (2023-24)

(Paper- I) Microbial Metabolism

Result of Unit Test held on 03/10/2023 on Unit II

Name of Teacher: Ms. Anjali Pogade

Sr. No	Name of Student	Marks out of 20
1.	Astha A. Sakharwade	15
2.	Akanksha R. Bisen	14
3.	Akanksha V. Tekade	18
4.	Anisha A. Shende	18
5.	Anuradha P. Khope	19
6.	Arshiya S. Mushtaque	15
7.	Arya S. Walode	10
8.	Bhisvani M. Dhurve	12
9.	Ishita Y. Padgil	10
10.	Ishwari N. Gawande	AA
11.	Leena N. Meher	12
12.	Manisha G. Lilhare	12
13.	Manisha R. Roy	08
14.	Namrata O. Nagose	15
15.	Ojaswini R. Bhagat	14
16.	Rujuta R. Ramteke	12
17.	Shamim M. Shahzad	AA
18.	Shivam A. Dekapurwar	AA
19.	Snehal N. Sahare	AA
20.	Vaishnavi V. Ingle	11
21.	Vami K. Masram	18
22.	Yashoda R. Wade	19



Signature of the Teacher

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session (2023-2024)
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper I (Microbial Metabolism)
Unit Test on Unit II**

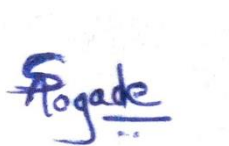
Time: 60 min

Maximum Marks: 20

N.B.:- All questions are compulsory

UNIT II

- | | |
|---|----|
| Q.1- Explain the concept of protein domains and motifs | 10 |
| Q.2- Write a note on Biosynthesis of amino acids | 10 |



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- I (2023-24)

**Paper II (Enzymology and Techniques)
Result of Unit Test held on 22/09/2023 on Unit I**

Name of Teacher: Dr. Pranita Gulhane

Sr. No	Name of Student	Marks out of 20
1.	Astha A. Sakharwade	15
2.	Akanksha R. Bisen	14
3.	Akanksha V. Tekade	18
4.	Anisha A. Shende	18
5.	Anuradha P. Khope	19
6.	Arshiya S. Mushtaque	15
7.	Arya S. Walode	10
8.	Bhisvani M. Dhurve	12
9.	Ishita Y. Padgil	10
10.	Ishwari N. Gawande	AA
11.	Leena N. Meher	12
12.	Manisha G. Lilhare	12
13.	Manisha R. Roy	08
14.	Namrata O. Nagose	15
15.	Ojaswini R. Bhagat	14
16.	Rujuta R. Ramteke	12
17.	Shamim M. Shahzad	AA
18.	Shivam A. Dekapurwar	AA
19.	Snehal N. Sahare	AA
20.	Vaishnavi V. Ingle	11
21.	Vami K. Masram	14
22.	Yashoda R. Wade	12



Signature of the Teacher

Dr. Pranita Gulhane



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session (2023-2024)
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-Explain about Electrostatic Interaction, Nucleophilic and Electrophilic Catalysis of Enzyme. 10

Q.2-Write in detail about Chemical modification and Calmodulin mediated Regulation. 10



Signature of the Teacher

Dr. Pranita Gulhane



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. I Semester- I (2023-24)

Paper II (Enzymology and Techniques)

Result of Unit Test held on 25/09/2023 on Unit II

Name of Teacher: Dr. Pranita Gulhane

Sr. No	Name of Student	Marks out of 20
1.	Astha A. Sakharwade	AA
2.	Akanksha R. Bisen	15
3.	Akanksha V. Tekade	10
4.	Anisha A. Shende	12
5.	Anuradha P. Khope	15
6.	Arshiya S. Mushtaque	18
7.	Arya S. Walode	14
8.	Bhisvani M. Dhurve	16
9.	Ishita Y. Padgil	15
10.	Ishwari N. Gawande	AA
11.	Leena N. Meher	AA
12.	Manisha G. Lilhare	AA
13.	Manisha R. Roy	10
14.	Namrata O. Nagose	12
15.	Ojaswini R. Bhagat	15
16.	Rujuta R. Ramteke	AA
17.	Shamim M. Shahzad	15
18.	Shivam A. Dekapurwar	13
19.	Snehal N. Sahare	AA
20.	Vaishnavi V. Ingle	15
21.	Vami K. Masram	14
22.	Yashoda R. Wade	16



Signature of the Teacher

Dr. Pranita Gulhane



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session (2023-2024)
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper II (Enzymology and Techniques)
Unit Test on Unit II**

Time: 60 min

Maximum Marks: 20

N.B.:- All questions are compulsory

Unit II

Q.1-Explain Kinetics of Enzyme inhibition. 10

Q.2-Write a note on Michaelis-Menton Equation. 10



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

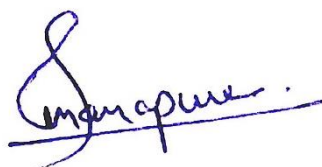
M.Sc. I Semester- I (2023-24)

Paper III (Advance Techniques in Microbiology)

Result of Unit Test held on 14/09/2023 on Unit I

Name of Teacher: Ms. Ankita Manapure

Sr. No	Name of Student	Marks out of 20
1.	Astha A. Sakharwade	12
2.	Akanksha R. Bisen	16
3.	Akanksha V. Tekade	12
4.	Anisha A. Shende	11
5.	Anuradha P. Khope	14
6.	Arshiya S. Mushtaque	10
7.	Arya S. Walode	AA
8.	Bhisvani M. Dhurve	08
9.	Ishita Y. Padgil	15
10.	Ishwari N. Gawande	14
11.	Leena N. Meher	12
12.	Manisha G. Lilhare	AA
13.	Manisha R. Roy	AA
14.	Namrata O. Nagose	AA
15.	Ojaswini R. Bhagat	11
16.	Rujuta R. Ramteke	15
17.	Shamim M. Shahzad	17
18.	Shivam A. Dekapurwar	14
19.	Snehal N. Sahare	12
20.	Vaishnavi V. Ingle	12
21.	Vami K. Masram	10
22.	Yashoda R. Wade	11



Signature of the Teacher

Ms. Ankita Manapure



Head of the department

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session (2023-2024)
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper III (Advance Techniques in Microbiology)
Unit Test on Unit I**

Time: 60 min

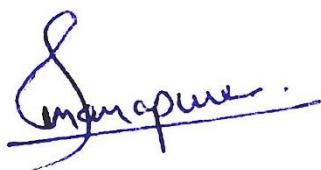
Maximum Marks: 20

N.B.:- All questions are compulsory

UNIT I

Q.1- Describe Centrifugation techniques **10**

Q.2- Explain Diffusion sedimentation **10**



Signature of the Teacher

Ms. Ankita Manapure



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. I Semester- I (2023-24)

Paper III (Advance Techniques in Microbiology)

Result of Unit Test held on 18/10/2023 on Unit II

Name of Teacher: Ms. Ankita Manapure

Sr. No	Name of Student	Marks out of 20
1.	Astha A. Sakharwade	AA
2.	Akanksha R. Bisen	AA
3.	Akanksha V. Tekade	09
4.	Anisha A. Shende	10
5.	Anuradha P. Khope	12
6.	Arshiya S. Mushtaque	15
7.	Arya S. Walode	18
8.	Bhisvani M. Dhurve	16
9.	Ishita Y. Padgil	17
10.	Ishwari N. Gawande	15
11.	Leena N. Meher	15
12.	Manisha G. Lilhare	10
13.	Manisha R. Roy	AA
14.	Namrata O. Nagose	AA
15.	Ojaswini R. Bhagat	AA
16.	Rujuta R. Ramteke	12
17.	Shamim M. Shahzad	15
18.	Shivam A. Dekapurwar	10
19.	Snehal N. Sahare	18
20.	Vaishnavi V. Ingle	18
21.	Vami K. Masram	12
22.	Yashoda R. Wade	14

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session (2023-2024)
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper III (Advance Techniques in Microbiology)
Unit Test on Unit II**

Time: 60 min

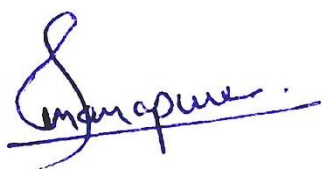
Maximum Marks: 20

N.B.:- All questions are compulsory

UNIT II

Q.1- Write a note on Agarose gel electrophoresis 10

Q.2- Describe capillary electrophoresis 10



Signature of the Teacher

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. I Semester- I (2023-24)

Paper IV (Research Methodology)

Result of Unit Test held on 18/09/2022 on Unit I

Name of Teacher: Ms. Sayali Sangole

Sr. No	Name of Student	Marks out of 20
1.	Astha A. Sakharwade	AA
2.	Akanksha R. Bisen	AA
3.	Akanksha V. Tekade	09
4.	Anisha A. Shende	10
5.	Anuradha P. Khope	12
6.	Arshiya S. Mushtaque	15
7.	Arya S. Walode	18
8.	Bhisvani M. Dhurve	16
9.	Ishita Y. Padgil	17
10.	Ishwari N. Gawande	15
11.	Leena N. Meher	15
12.	Manisha G. Lilhare	10
13.	Manisha R. Roy	AA
14.	Namrata O. Nagose	AA
15.	Ojaswini R. Bhagat	AA
16.	Rujuta R. Ramteke	12
17.	Shamim M. Shahzad	15
18.	Shivam A. Dekapurwar	10
19.	Snehal N. Sahare	18
20.	Vaishnavi V. Ingle	18
21.	Vami K. Masram	09
22.	Yashoda R. Wade	AA



Signature of the Teacher

Ms. Sayali Sangole



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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 (2023-2024)
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper IV (Research Methodology)
Unit Test on Unit I**

Time: 60 min

Maximum Marks: 20

N.B.:- All questions are compulsory

UNIT I

Q.1- Explain types of research 10

Q.2- Describe the gaps in present knowledge 10



Signature of the Teacher

Ms. Sayali Sangole



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 (2023-24)

Paper IV (Research Methodology)

Result of Unit Test held on 21/10/2023 on Unit II

Name of Teacher: Ms. Sayali Sangole

Sr. No	Name of Student	Marks out of 20
1.	Astha A. Sakharwade	12
2.	Akanksha R. Bisen	16
3.	Akanksha V. Tekade	12
4.	Anisha A. Shende	11
5.	Anuradha P. Khope	14
6.	Arshiya S. Mushtaque	10
7.	Arya S. Walode	AA
8.	Bhisvani M. Dhurve	08
9.	Ishita Y. Padgil	15
10.	Ishwari N. Gawande	14
11.	Leena N. Meher	12
12.	Manisha G. Lilhare	AA
13.	Manisha R. Roy	AA
14.	Namrata O. Nagose	AA
15.	Ojaswini R. Bhagat	11
16.	Rujuta R. Ramteke	15
17.	Shamim M. Shahzad	17
18.	Shivam A. Dekapurwar	14
19.	Snehal N. Sahare	12
20.	Vaishnavi V. Ingle	12
21.	Vami K. Masram	AA
22.	Yashoda R. Wade	AA

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session (2023-2024)
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper IV (Research Methodology)
Unit Test on Unit II**

Time: 60 min

Maximum Marks: 20

N.B.:- All questions are compulsory

UNIT II

Q.1- Describe types of hypothesis 10

Q.2- Explain experimental method of research 10

Signature of the Teacher

Ms. Sayali Sangole



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

**Department of Microbiology
M.Sc. II Semester- III (2023-24)**

**Paper I (MOLECULAR BIOLOGY AND GENETICS)
Result of Unit Test held on 25/08/2023 on Unit I**

Name of Teacher: Ms. Ankita Manapure

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

Ms. Ankita Manapure



Head of the department

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session (2023-2024)
Master of Science (M.Sc) (Semester- III) MICROBIOLOGY
Paper I (MOLECULAR BIOLOGY AND GENETICS)
Unit Test on Unit I**

Time: 60 min

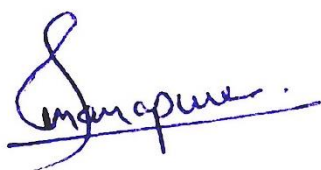
Maximum Marks: 20

N.B.:- All questions are compulsory

UNIT I

Q.1- Explain direct reversal of DNA damage 10

Q.2- Explain Homologous Recombination 10



Signature of the Teacher

Ms. Ankita Manapure



Head of the department

Dr. P.B. Gulhane

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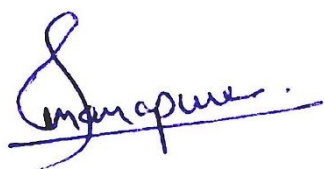
**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester- III (2023-24)**

**Paper I (MOLECULAR BIOLOGY AND GENETICS)
Result of Unit Test held on 20/09/2023 on Unit II**

Name of Teacher: Ms. Ankita Manapure

Sr. No	Name of Student	Marks out of 20
1.	Akanksha V. Meshram	14
2.	Ashwini D. Nandanwar	15
3.	Asmita A. Wagh	18
4.	Diksha S. Choube	10
5.	Janhavi D. Parbat	14
6.	Kaniz A. Sheikh	15
7.	Komal N. Nibrad	16
8.	Nimmi D. Kumbhare	11
9.	Nisha G. Khaparde	10
10.	Prachi P. Thakur	AA
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



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Academic Session (2023-2024)
Master of Science (M.Sc) (Semester- III) MICROBIOLOGY
Paper I (MOLECULAR BIOLOGY AND GENETICS)
Unit Test on Unit II**

Time: 60 min

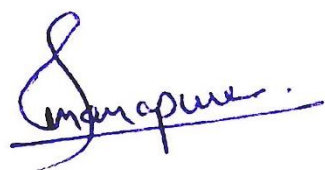
Maximum Marks: 20

N.B.:- All questions are compulsory

UNIT II

Q.1- Write a note on Enhancers and silencers 10

Q.2- Explain catalytic and antisense RNA in brief 10



Signature of the Teacher

Ms. Ankita Manapure



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- III (2023-24)**

**Paper II (RECOMBINANT DNA TECHNOLOGY AND NANOBIO TECHNOLOGY)
Result of Unit Test held on 07/09/2023 on Unit I**

Name of Teacher: Ms. Sayali Sangole

Sr. No	Name of Student	Marks out of 20
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

Ms. Sayali Sangole



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NAGPUR.

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session (2023-2024)
Master of Science (M.Sc) (Semester- III) MICROBIOLOGY
Paper II (RECOMBINANT DNA TECHNOLOGY AND NANOBIO TECHNOLOGY)
Unit Test on Unit I**

Time: 60 min

Maximum Marks: 20

N.B.:- All questions are compulsory

UNIT I

Q.1- Write the steps involved in PCR. 10M

Q.2- Write a note on Expression vectors and Cloning vector 10M



Signature of the Teacher

Ms. Sayali Sangole



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- III (2023-24)**

**Paper II (RECOMBINANT DNA TECHNOLOGY AND NANOBIO TECHNOLOGY)
Result of Unit Test held on 16/10/2023 on Unit III**

Name of Teacher: Ms. Sayali Sangole

Sr. No	Name of Student	Marks out of 20
1.	Akanksha V. Meshram	12
2.	Ashwini D. Nandanwar	12
3.	Asmita A. Wagh	15
4.	Diksha S. Choube	12
5.	Janhavi D. Parbat	16
6.	Kaniz A. Sheikh	12
7.	Komal N. Nibrad	11
8.	Nimmi D. Kumbhare	14
9.	Nisha G. Khaparde	10
10.	Prachi P. Thakur	AA
11.	Pratiksha R. Teltumde	08
12.	Rutuja R. Meshram	12
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

Ms. Sayali Sangole



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session (2023-2024)
Master of Science (M.Sc) (Semester- III) MICROBIOLOGY
Paper II (RECOMBINANT DNA TECHNOLOGY AND NANOBIO TECHNOLOGY)
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 cell lines and cryopreservation of cells.

Q.2-Give a detailed account on embryonal stem cell and multipotent stem cells.

Signature of the Teacher

Ms. Sayali Sangole



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester- III (2023-24)**

**Paper III (Microbial Diversity, Evolution and Ecology)
Result of Unit Test held on 26/09/2023 on Unit I**

Name of Teacher: Dr. Pranita Gulhane

Sr. No	Name of Student	Marks out of 20
1.	Akanksha V. Meshram	12
2.	Ashwini D. Nandanwar	12
3.	Asmita A. Wagh	15
4.	Diksha S. Choube	12
5.	Janhavi D. Parbat	16
6.	Kaniz A. Sheikh	12
7.	Komal N. Nibrad	11
8.	Nimmi D. Kumbhare	14
9.	Nisha G. Khaparde	10
10.	Prachi P. Thakur	AA
11.	Pratiksha R. Teltumde	08
12.	Rutuja R. Meshram	12
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 (2023-2024)
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

N.B.:- All questions are compulsory

Unit I

Q.1- Describe about Classical Taxonomy. 10

Q.2- Explain about Bacterial Speciation. 10



Signature of the Teacher

Dr. Pranita Gulhane



Head of the department

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester- III (2023-24)**

**Paper III (Microbial Diversity, Evolution and Ecology)
Result of Unit Test held on 27/10/2023 on Unit III**

Name of Teacher: Dr. Pranita Gulhane

Sr. No	Name of Student	Marks out of 20
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



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
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- Discuss In detail Sulphate and Sulphur reducing Bacteria, 10

Q.2- Write about Phylum: Purple phototrophic Bacteria. 10



Signature of the Teacher

Dr. Pranita Gulhane



Head of the department

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester- III (2023-24)**

**Paper IV (Drugs and Disease Management)
Result of Unit Test held on 21/08/2023 on Unit I**

Name of Teacher: Ms. Anjali Pogade

Sr. No	Name of Student	Marks out of 20
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

Ms. Anjali Pogade



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
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- Describe the mechanism of drug action 10

Q.2- Explain bioprecursors prodrugs 10



Signature of the Teacher

Ms. Anjali Pogade



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester- III (2023-24)**

**Paper IV (Drugs and Disease Management)
Result of Unit Test held on 12/09/2023 on Unit II**

Name of Teacher: Ms. Anjali Pogade

Sr. No	Name of Student	Marks out of 20
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. Anjali Pogade



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
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 mercury compounds | 10 |
| Q.2- Explain in detail rifamycin and isoniazid | 10 |



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. I Semester- II (2023-24)

Paper-I (Environmental Microbial Technology)

Result of Unit Test held on 20/02/2024 on Unit I

Name of Teacher: Ms. Anjali Pogade

Sr. No	Name of Student	Marks out of 20
1.	Astha A. Sakharwade	15
2.	Akanksha R. Bisen	14
3.	Akanksha V. Tekade	AA
4.	Anisha A. Shende	15
5.	Anuradha P. Khope	10
6.	Arshiya S. Mushtaque	12
7.	Arya S. Walode	15
8.	Bhisvani M. Dhurve	18
9.	Ishita Y. Padgil	14
10.	Ishwari N. Gawande	16
11.	Leena N. Meher	15
12.	Manisha G. Lilhare	AA
13.	Manisha R. Roy	AA
14.	Namrata O. Nagose	AA
15.	Ojaswini R. Bhagat	10
16.	Rujuta R. Ramteke	12
17.	Shamim M. Shahzad	15
18.	Snehal N. Sahare	15
19.	Vaishnavi V. Ingle	13
20.	Vami K. Masram	AA
21.	Yashoda R. Wade	15



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Master of Science (M.Sc.) (Semester-II) Microbiology
Paper-I (Environmental Microbial Technology)
UNIT TEST on Unit I**

Time: 60 min.]

[Maximum Marks:20

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

Unit I

Q.1-Describe about Biodeterioration of Stone Monuments and Approach for its Restoration.

10

Q.2-Explain Biomagnification of Chlorinated hydrocarbon and Mitigation Methods.

10



Signature of the Teacher

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. I Semester- II(2023-24)

**Paper-I (Environmental Microbial Technology)
Result of Unit Test held on 28/03/2024 on Unit II**

Name of Teacher: Ms. Anjali Pogade

Sr. No	Name of Student	Marks out of 20
1.	Astha A. Sakharwade	AA
2.	Akanksha R. Bisen	AA
3.	Akanksha V. Tekade	11
4.	Anisha A. Shende	14
5.	Anuradha P. Khope	14
6.	Arshiya S. Mushtaque	12
7.	Arya S. Walode	15
8.	Bhisvani M. Dhurve	08
9.	Ishita Y. Padgil	15
10.	Ishwari N. Gawande	14
11.	Leena N. Meher	12
12.	Manisha G. Lilhare	10
13.	Manisha R. Roy	AA
14.	Namrata O. Nagose	10
15.	Ojaswini R. Bhagat	11
16.	Rujuta R. Ramteke	15
17.	Shamim M. Shahzad	17
18.	Snehal N. Sahare	15
19.	Vaishnavi V. Ingle	13
20.	Vami K. Masram	AA
21.	Yashoda R. Wade	15



Signature of the Teacher

Ms. Anjali Pogade



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Master of Science (M.Sc.) (Semester-II) Microbiology
Paper-I (Environmental Microbial Technology)
UNIT TEST on Unit II**

Time: 60 min.]

[Maximum Marks:20

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

Unit II

Q.1-Explain Biotransformation of Hexachlorobenzene and DDT. 10

Q.2-Describe Biodegradation of Lignin, aliphatic and aromatic Hydrocarbons. 10



Signature of the Teacher

Ms. Anjali Pogade



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

Department of Microbiology

M.Sc. I Semester-II (2023-24)

Paper II (Immunology and Immunodiagnostics)

Result of Unit Test held on 28/03/2023 on Unit III

Name of Teacher: Ms. Sayali Sangole

Sr. No	Name of Student	Marks out of 20
1.	Astha A. Sakharwade	AA
2.	Akanksha R. Bisen	AA
3.	Akanksha V. Tekade	11
4.	Anisha A. Shende	14
5.	Anuradha P. Khope	14
6.	Arshiya S. Mushtaque	12
7.	Arya S. Walode	15
8.	Bhisvani M. Dhurve	AA
9.	Ishita Y. Padgil	13
10.	Ishwari N. Gawande	AA
11.	Leena N. Meher	AA
12.	Manisha G. Lilhare	14
13.	Manisha R. Roy	17
14.	Namrata O. Nagose	14
15.	Ojaswini R. Bhagat	12
16.	Rujuta R. Ramteke	12
17.	Shamim M. Shahzad	12
18.	Snehal N. Sahare	14
19.	Vaishnavi V. Ingle	13
20.	Vami K. Masram	AA
21.	Yashoda R. Wade	15



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Ms. Sayali Sangole



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Master of Science (M.Sc.) (Semester-II) Microbiology
Paper II (Immunology and Immunodiagnostics)
Unit Test on Unit III**

Time: 60 min]

[Maximum Marks: 20

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

Unit III

Q.1- Write a note on Grave's Disease. 10

Q.2- Describe in detail about Myasthenia gravis. 10



Signature of the Teacher

Ms. Sayali Sangole



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

Department of Microbiology

M.Sc. I Semester- II (2023-24)

Paper II (Immunology and Immunodiagnostics)

Result of Unit Test held on 30/04/2024 on Unit IV

Name of Teacher: Ms. Sayali Sangole

Sr. No	Name of Student	Marks out of 20
1.	Astha A. Sakharwade	14
2.	Akanksha R. Bisen	18
3.	Akanksha V. Tekade	12
4.	Anisha A. Shende	12
5.	Anuradha P. Khope	14
6.	Arshiya S. Mushtaque	14
7.	Arya S. Walode	12
8.	Bhisvani M. Dhurve	10
9.	Ishita Y. Padgil	AA
10.	Ishwari N. Gawande	11
11.	Leena N. Meher	15
12.	Manisha G. Lilhare	17
13.	Manisha R. Roy	AA
14.	Namrata O. Nagose	10
15.	Ojaswini R. Bhagat	11
16.	Rujuta R. Ramteke	15
17.	Shamim M. Shahzad	17
18.	Snehal N. Sahare	15
19.	Vaishnavi V. Ingle	13
20.	Vami K. Masram	AA
21.	Yashoda R. Wade	15



Signature of the Teacher

Ms. Sayali Sangole



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Master of Science (M.Sc.) (Semester-II) Microbiology
Paper II (Immunology and Immunodiagnostics)
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 Chemiluminiscence immunoassay. 10

Q.2- Write a note on Complement Fixation test. 10



Signature of the Teacher

Ms. Sayali Sangole



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Department of Microbiology

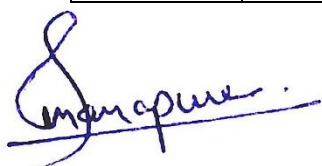
M.Sc. I Semester- II (2023-24)

Paper-III (MICROBIAL METABOLITES)

Result of Unit Test held on 29/02/2024 on Unit II

Name of Teacher: Ms. Ankita Manapure

Sr. No	Name of Student	Marks out of 20
1.	Astha A. Sakharwade	AA
2.	Akanksha R. Bisen	AA
3.	Akanksha V. Tekade	11
4.	Anisha A. Shende	14
5.	Anuradha P. Khope	14
6.	Arshiya S. Mushtaque	12
7.	Arya S. Walode	15
8.	Bhisvani M. Dhurve	08
9.	Ishita Y. Padgil	15
10.	Ishwari N. Gawande	14
11.	Leena N. Meher	12
12.	Manisha G. Lilhare	10
13.	Manisha R. Roy	AA
14.	Namrata O. Nagose	10
15.	Ojaswini R. Bhagat	11
16.	Rujuta R. Ramteke	15
17.	Shamim M. Shahzad	17
18.	Snehal N. Sahare	15
19.	Vaishnavi V. Ingle	13
20.	Vami K. Masram	AA
21.	Yashoda R. Wade	15



Signature of the Teacher

Ms. Ankita Manapure



Head of the department

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Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Master of Science (M.Sc.) (Semester-II) Microbiology
Paper-III (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 brief outline and function of polyamines 10
- Q.2-** Explain secondary metabolite production by cyanobacteria 10



Signature of the Teacher

Ms. Ankita Manapure



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

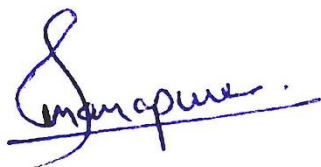
M.Sc. I Semester- II (2023-24)

Paper-III (MICROBIAL METABOLITES)

Result of Unit Test held on 01/04/2024 on Unit II

Name of Teacher: Ms. Ankita Manapure

Sr. No	Name of Student	Marks out of 20
1.	Astha A. Sakharwade	10
2.	Akanksha R. Bisen	AA
3.	Akanksha V. Tekade	08
4.	Anisha A. Shende	15
5.	Anuradha P. Khope	14
6.	Arshiya S. Mushtaque	12
7.	Arya S. Walode	AA
8.	Bhisvani M. Dhurve	AA
9.	Ishita Y. Padgil	AA
10.	Ishwari N. Gawande	11
11.	Leena N. Meher	15
12.	Manisha G. Lilhare	17
13.	Manisha R. Roy	15
14.	Namrata O. Nagose	10
15.	Ojaswini R. Bhagat	11
16.	Rujuta R. Ramteke	15
17.	Shamim M. Shahzad	17
18.	Snehal N. Sahare	15
19.	Vaishnavi V. Ingle	13
20.	Vami K. Masram	AA
21.	Yashoda R. Wade	15



Signature of the Teacher

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Master of Science (M.Sc.) (Semester-II) Microbiology
Paper-III (MICROBIAL METABOLITES)
UNIT TEST on Unit II**

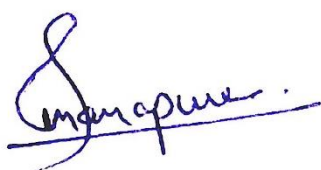
Time: 60 min.]

[Maximum Marks:20

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

UNIT II

- | | |
|---|----|
| Q.1- Explain the structure and mode of action of antibiotics | 10 |
| Q.2- Give the mechanisms of antibiotic resistance | 10 |



Signature of the Teacher

Ms. Ankita Manapure



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

**Department of Microbiology
M.Sc. II Semester- IV (2023-24)**

**Paper-I (VIROLOGY)
Result of Unit Test held on 05/02/2024 on Unit I**

Name of Teacher: Ms. Sayali Sangole

Sr. No	Name of Student	Marks out of 20
1.	Akanksha V. Meshram	16
2.	Ashwini D. Nandanwar	12
3.	Asmita A. Wagh	11
4.	Diksha S. Choube	14
5.	Janhavi D. Parbat	10
6.	Kaniz A. Sheikh	AA
7.	Komal N. Nibrad	08
8.	Nimmi D. Kumbhare	12
9.	Nisha G. Khaparde	11
10.	Prachi P. Thakur	15
11.	Pratiksha R. Teltumde	17
12.	Rutuja R. Meshram	15
13.	Sejal U. Nilatkar	AA
14.	Shivani R. Vikhar	AA
15.	Simran V. Bode	09
16.	Sushma D. Lilhare	10
17.	Vaibhav S. Jaronde	12
18.	Vaishnavi Nannaware	15
19.	Vaishnavi M. Shende	18
20.	Vanshika A. Gandhare	16



Signature of the Teacher

Ms. Sayali Sangole



Head of the department

Dr. P.B. Gulhane

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Master of Science (M.Sc.) (Semester-IV) Microbiology
Paper-I (VIROLOGY)
UNIT TEST on Unit I**

Time: 60 min.]

[Maximum Marks:20

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

UNIT I

Q.1- Explain the Chemical composition of viruses. 10M

Q.2- Add a note on Assay of Viruses. 10M



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

**Department of Microbiology
M.Sc. II Semester- IV (2023-24)**

**Paper-I (VIROLOGY)
Result of Unit Test held on 01/03/2024 on Unit III**

Name of Teacher: Ms. Sayali Sangole

Sr. No	Name of Student	Marks out of 20
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
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Academic Session 2023-2024
Master of Science (M.Sc.) (Semester-IV) Microbiology
Paper-I (VIROLOGY)
UNIT TEST on Unit III**

Time: 60 min.]

[Maximum Marks:20

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

UNIT III

Q.1-Write a note on Hepatitis viruses **10M**

Q.2-Explain potato virus **10M**



Signature of the Teacher

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester- IV (2023-24)**

**Paper-II (MICROBIAL FERMENTATION TECHNOLOGY)
Result of Unit Test held on 07/02/2024 on Unit I**

Name of Teacher: Ms. Anjali Pogade

Sr. No	Name of Student	Marks out of 20
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. Anjali Pogade



Head of the department

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Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Master of Science (M.Sc.) (Semester-IV) Microbiology
Paper-II (MICROBIAL FERMENTATION TECHNOLOGY)
UNIT TEST on Unit I

Time: 60 min.]

[Maximum Marks:20

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

UNIT I

- Q.1-** Explain Growth kinetics and Monod's Model. 10M
- Q.2-** What is growth yield? Explain in detail about product formation 10M



Signature of the Teacher

Ms. Anjali Pogade



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester- IV (2023-24)**

**Paper-II (MICROBIAL FERMENTATION TECHNOLOGY)
Result of Unit Test held on 04/03/2024 on Unit II**

Name of Teacher: Ms. Anjali Pogade

Sr. No	Name of Student	Marks out of 20
1.	Akanksha V. Meshram	10
2.	Ashwini D. Nandanwar	AA
3.	Asmita A. Wagh	AA
4.	Diksha S. Choube	09
5.	Janhavi D. Parbat	10
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	AA
12.	Rutuja R. Meshram	11
13.	Sejal U. Nilatkar	15
14.	Shivani R. Vikhar	17
15.	Simran V. Bode	15
16.	Sushma D. Lilhare	AA
17.	Vaibhav S. Jaronde	13
18.	Vaishnavi Nannaware	AA
19.	Vaishnavi M. Shende	12
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Signature of the Teacher

Ms. Anjali Pogade



Head of the department

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
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. :- (1) All Questions are Compulsary.

UNIT II

Q.1- Explain Downstream process 10M

Q.2- Explain the scale down process 10M



Signature of the Teacher

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester- IV (2023-24)**

**Paper-III (MICROBIAL DIVERSITY, EVOLUTION AND ECOLOGY)
Result of Unit Test held on 13/02/2024 on Unit I**

Name of Teacher: Dr. Pranita Gulhane

Sr. No	Name of Student	Marks out of 20
1.	Akanksha V. Meshram	10
2.	Ashwini D. Nandanwar	AA
3.	Asmita A. Wagh	AA
4.	Diksha S. Choube	09
5.	Janhavi D. Parbat	10
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	AA
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13.	Sejal U. Nilatkar	15
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15.	Simran V. Bode	15
16.	Sushma D. Lilhare	AA
17.	Vaibhav S. Jaronde	08
18.	Vaishnavi Nannaware	15
19.	Vaishnavi M. Shende	14
20.	Vanshika A. Gandhare	12



Signature of the Teacher

Dr. Pranita Gulhane



Head of the department

Dr. P.B. Gulhane

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Academic Session 2023-2024
Master of Science (M.Sc.) (Semester-IV) Microbiology
Paper-III (MICROBIAL DIVERSITY, EVOLUTION AND ECOLOGY)
UNIT TEST on Unit I

Time: 60 min.]

[Maximum Marks:20

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

UNIT I

Q.1- Describe about Classical Taxonomy. 10

Q.2-Explain about Bacterial Speciation. 10



Signature of the Teacher

Dr. Pranita Gulhane



Head of the department

Dr. P.B. Gulhane

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester- IV (2023-24)**

**Paper-III (MICROBIAL DIVERSITY, EVOLUTION AND ECOLOGY)
Result of Unit Test held on 18/04/2024 on Unit III**

Name of Teacher: Dr. Pranita Gulhane

Sr. No	Name of Student	Marks out of 20
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
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Signature of the Teacher

Dr. Pranita Gulhane



Head of the department

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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- Discuss In detail Sulphate and Sulphur reducing Bacteria, 10

Q.2- Write about Phylum: Purple phototrophic Bacteria. 10



Signature of the Teacher

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester- IV (2023-24)**

**Paper-IV (VACCINES AND DELIVERY SYSTEM)
Result of Unit Test held on 03/02/2024 on Unit I**

Name of Teacher: Ms. Ankita Manapure

Sr. No	Name of Student	Marks out of 20
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

Ms. Ankita Manapure



Head of the department

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Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Master of Science (M.Sc.) (Semester-IV) Microbiology
Paper-IV (VACCINES AND DELIVERY SYSTEM)
UNIT TEST on Unit I**

Time: 60 min.]

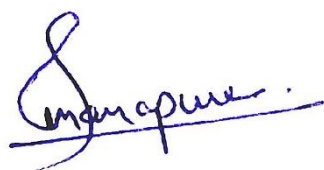
[Maximum Marks:20

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

UNIT I

Q.1-Write a note on Discovery of vaccines. 10M

Q.2- Explain in detail Subunit vaccine. 10M



Signature of the Teacher

Ms. Ankita Manapure



Head of the department

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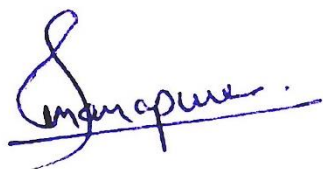
**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester- IV (2023-24)**

**Paper-IV (VACCINES AND DELIVERY SYSTEM)
Result of Unit Test held on 11/03/2024 on Unit I**

Name of Teacher: Ms. Ankita Manapure

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



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Master of Science (M.Sc.) (Semester-IV) Microbiology
Paper-IV (VACCINES AND DELIVERY SYSTEM)
UNIT TEST on Unit I**

Time: 60 min.]

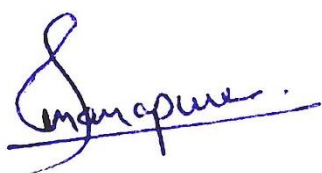
[Maximum Marks:20

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

UNIT II

Q.1- Write a note on Malaria vaccines. 10M

Q.2- Give a detailed account on Herpes simplex viral vaccines. 10M



Signature of the Teacher

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