

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

Department of Microbiology

M.Sc. I Semester- I (2019-20)

Paper I (Microbial Metabolism)

Result of Unit Test held on 29/08/19 on Unit II

Name of Teacher: Ms. Dhanashree Badwaik

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

D Badwaik

Signature of the Teacher
Ms. Dhanashree Badwaik



Mrs M J Madhugiri

Head of the Department
Mrs. M.J. Madhugiri

HEAD
Department of Microbiology
Science College, Congress Nagar,
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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
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-**Write characteristics of alpha helix and beta sheets 10
- Q.2-**Explain Palindrome, Inverted repeats and mirror repeats 10

DBadwalk

Signature of Teacher

Ms. Dhanashree Badwaik



Mrs M J Madhugiri

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Mrs. M.J. Madhugiri

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

Department of Microbiology

M.Sc. I Semester- I (2019-20)

Paper I (Microbial Metabolism)

Result of Unit Test held on 20/09/19 on Unit III

Name of Teacher: Ms. Dhanashree Badwaik

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

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Signature of the Teacher
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**Shri Shivaji Education Society Amravati's
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Academic Session 2019-2020
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper I (Microbial Metabolism)
UNIT TEST on Unit III**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT III

Q.1-Describe Green sulphur bacteria **10**

Q.2-Write about oxidation of reduced sulphur compounds **10**

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Signature of Teacher

Ms. Dhanashree Badwaik



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

Department of Microbiology

M.Sc. I Semester- I (2019-20)

Paper-II (Enzymology and Techniques)

Result of Unit Test held on 21/9/19 on Unit III

Name of Teacher: Mrs. Manpreet Kaur

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

Manpreet Kaur

Signature of the Teacher
Mrs. Manpreet Kaur



Mrs. M.J. Madhugiri

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper-II (Enzymology and Techniques)
UNIT TEST on Unit III**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT III

Q.1- Explain Covalent Modification and Feed-back inhibition. 10

Q.2-Explain Membrane Bound Enzymes and Isoenzymes. 10



Signature of the Teacher

Mrs. Manpreet Kaur



Head of the Department

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

**Department of Microbiology
M.Sc. I Semester- I (2019-20)
Paper-II (Enzymology and Techniques)
Result of Unit Test held on 7/10/19 on Unit IV**

Name of Teacher: Mrs. Manpreet Kaur

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

Manpreet Kaur

Signature of the teacher
Mrs. Manpreet Kaur



Mrs. M.J. Madhugiri

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**Shri Shivaji Education Society Amravati's
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Academic Session 2019-2020
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper-II (Enzymology and Techniques)
UNIT TEST on Unit IV**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT IV

Q.1- Explain Association and Dissociation Constant and Sequential Model. 10

Q.2- Write a note on Protein Engineering. 10

Manpreet

Signature of the Teacher

Mrs. Manpreet Kaur



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Department of Microbiology

M.Sc. I Semester- I (2019-20)

Paper III (Advance Techniques in Microbiology)

Result of Unit Test held on 23/8/19 on Unit I

Name of Teacher: Mrs. Vanita Kolhe

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

Vanita

Signature of the Teacher
Mrs. Vanita Kolhe



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**Shri Shivaji Education Society Amravati's
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Academic Session 2019-2020
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-Write a note on CD/ORD technique 10

Q.2-Describe centrifugation techniques 10

Vanita

Signature of Teacher

Mrs. Vanita Kolhe



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. I Semester- I (2019-20)

Paper III (Advance Techniques in Microbiology)

Result of Unit Test held on 14/9/19 on Unit II

Name of Teacher: Mrs. Vanita Kolhe

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

Vanita

Signature of the Teacher
Mrs. Vanita Kolhe



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**Shri Shivaji Education Society Amravati's
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Academic Session 2019-2020
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-Explain immunoelectrophoresis 10

Q.2-Describe SDS-PAGE electrophoresis 10

Vanita

Signature of Teacher

Mrs. Vanita Kolhe



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. I Semester- I (2019-20)

Paper IV (Membrane Structure and Signal Transduction)

Result of Unit Test held on 16/9/19 on Unit II

Name of Teacher: Ms.Sameera Siddiqui

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

S. Siddiqui

Signature of the Teacher
Ms.Sameera Siddiqui



Mrs. M.J. Madhugiri

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper IV (Membrane Structure and Signal Transduction)
UNIT TEST on Unit II**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT II

Q.1-Describe ATP powered pumps 10

Q.2-Describe transepithelial transport 10

S. Siddiqui

Signature of Teacher

Ms. Sameera Siddiqui



Mrs M J Madhugiri

Head of the Department

Mrs. M.J. Madhugiri

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

Department of Microbiology

M.Sc. I Semester- I (2019-20)

Paper IV (Membrane Structure and Signal Transduction)

Result of Unit Test held on 28/9/19 on Unit III

Name of Teacher: Ms. Sameera Siddiqui

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

S. Siddiqui

Signature of the Teacher
Ms. Sameera Siddiqui



Mrs. M. J. Madhugiri

Head of the Department
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Academic Session 2019-2020
Master of Science (M.Sc) (Semester- I) MICROBIOLOGY
Paper IV (Membrane Structure and Signal Transduction)
UNIT TEST on Unit III**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT III

Q.1-Explain JAK-STAT pathway 10

Q.2-Give the general concept of cell signaling 10

S. Siddiqui

Signature of Teacher

Ms. Sameera Siddiqui



Mrs M J Madhugiri

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

**Department of Microbiology
M.Sc. II Semester-III (2019-20)
Paper I (Molecular Biology and Genetics)
Result of Unit Test held on 31/8/19 on Unit II**

Name of Teacher: Ms. Anjali Sharma

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	AA
2.	Akanksha Shende	10
3.	Ashish Nanhe	12
4.	Dhanashree Dhote	15
5.	Diksha Bhanuse	AA
6.	Kanchan Madavi	10
7.	Lavanya Shriramwar	12
8.	Monika Singh	15
9.	Muskan Harde	18
10.	Pooja Karemore	14
11.	Pratiksha Mahurkar	16
12.	Rakshit Bolke	AA
13.	Rita Walthare	10
14.	Ruchika Sadawarte	12
15.	Sakshi Barad	15
16.	Sanskruiti Kukade	AA
17.	Sayli Shetiye	15
18.	Shital Bante	13
19.	Shivani Chaurikar	AA
20.	Yogesh Ninawe	15
21.	Zarina Ansari	13

Anjali S.

Signature of the Teacher
Ms. Anjali Sharma



Mrs. M.J. Madhugiri

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**Shri Shivaji Education Society Amravati's
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Academic Session 2019-2020
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-Describe post transcriptional modifications 10

Anjali S.

Signature of Teacher

Ms. Anjali Sharma



Mrs M.J. Madhugiri

Head of the Department

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester-III (2019-20)
Paper I (Molecular Biology and Genetics)
Result of Unit Test held on 14/9/19 on Unit III**

Name of Teacher: Ms. Anjali Sharma

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	AA
2.	Akanksha Shende	10
3.	Ashish Nanhe	12
4.	Dhanashree Dhote	15
5.	Diksha Bhanuse	12
6.	Kanchan Madavi	15
7.	Lavanya Shriramwar	14
8.	Monika Singh	18
9.	Muskan Harde	18
10.	Pooja Karemore	19
11.	Pratiksha Mahurkar	12
12.	Rakshit Bolke	AA
13.	Rita Walthare	AA
14.	Ruchika Sadawarte	15
15.	Sakshi Barad	13
16.	Sanskruti Kukade	AA
17.	Sayli Shetiye	15
18.	Shital Bante	12
19.	Shivani Chaurikar	AA
20.	Yogesh Ninawe	15
21.	Zarina Ansari	13

Anjali S.

Signature of the Teacher
Ms. Anjali Sharma



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Academic Session 2019-2020
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-Explain chromatin remodeling **10**

Q.2-Give an account on protein degradation control **10**

Anjali S.

Signature of Teacher

Ms. Anjali Sharma



Mrs M J Madhugiri

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. II Semester-III (2019-20)

Paper II (Recombinant DNA technology and Nano-Biotechnology)

Result of Unit Test held on 22/8/19 on Unit I

Name of Teacher: Mrs. Madhuri Walvekar

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	14
2.	Akanksha Shende	16
3.	Ashish Nanhe	15
4.	Dhanashree Dhote	AA
5.	Diksha Bhanuse	14
6.	Kanchan Madavi	16
7.	Lavanya Shriramwar	14
8.	Monika Singh	18
9.	Muskan Harde	18
10.	Pooja Karemore	19
11.	Pratiksha Mahurkar	10
12.	Rakshit Bolke	12
13.	Rita Walthare	15
14.	Ruchika Sadawarte	AA
15.	Sakshi Barad	15
16.	Sanskruiti Kukade	13
17.	Sayli Shetiye	10
18.	Shital Bante	12
19.	Shivani Chaurikar	AA
20.	Yogesh Ninawe	15
21.	Zarina Ansari	13



Signature of the Teacher
Mrs. Madhuri Walvekar



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
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

N.B:- All questions are compulsory

UNIT I

Q.1- Write the limitations and application of PCR. 10

Q.2-What is oligonucleotide probes? 10



Signature of Teacher

Mrs. Madhuri Walvekar



Head of the Department

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Microbiology

M.Sc. II Semester-III (2019-20)

Paper II (Recombinant DNA technology and Nano-Biotechnology)

Result of Unit Test held on 11/9/19 on Unit II

Name of Teacher: Mrs. Madhuri Walvekar

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	12
2.	Akanksha Shende	13
3.	Ashish Nanhe	AA
4.	Dhanashree Dhote	10
5.	Diksha Bhanuse	18
6.	Kanchan Madavi	12
7.	Lavanya Shriramwar	14
8.	Monika Singh	16
9.	Muskan Harde	15
10.	Pooja Karemore	AA
11.	Pratiksha Mahurkar	10
12.	Rakshit Bolke	12
13.	Rita Walthare	15
14.	Ruchika Sadawarte	AA
15.	Sakshi Barad	13
16.	Sanskruiti Kukade	13
17.	Sayli Shetiye	10
18.	Shital Bante	12
19.	Shivani Chaurikar	14
20.	Yogesh Ninawe	13
21.	Zarina Ansari	19



Signature of the Teacher
Mrs. Madhuri Walvekar



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
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-What is primer expressions? 10**
- Q.2- Explain the process of reporter gene transcription. 10**



Signature of Teacher

Mrs. Madhuri Walvekar



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

Department of Microbiology

M.Sc. II Semester-III (2019-20)

Paper III (Microbial Diversity, Evolution and Ecology)

Result of Unit Test held on 19/8/19 on Unit I

Name of Teacher: Ms. Dhanashree Badwaik

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	12
2.	Akanksha Shende	13
3.	Ashish Nanhe	AA
4.	Dhanashree Dhote	10
5.	Diksha Bhanuse	AA
6.	Kanchan Madavi	AA
7.	Lavanya Shriramwar	14
8.	Monika Singh	17
9.	Muskan Harde	14
10.	Pooja Karemore	12
11.	Pratiksha Mahurkar	12
12.	Rakshit Bolke	12
13.	Rita Walthare	AA
14.	Ruchika Sadawarte	AA
15.	Sakshi Barad	13
16.	Sanskruiti Kukade	12
17.	Sayli Shetiye	14
18.	Shital Bante	16
19.	Shivani Chaurikar	13
20.	Yogesh Ninawe	14
21.	Zarina Ansari	15

DBadwaik

Signature of the Teacher
Ms. Dhanashree Badwaik



Mrs M J Madhugiri

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
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 in Detail Bacterial Speciation. 10

Q.2- Explain about Signature Sequences. 10

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Signature of the Teacher

Ms. Dhanashree Badwaik



Mbsmjmadhugri

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

Department of Microbiology

M.Sc. II Semester-III (2019-20)

Paper III (Microbial Diversity, Evolution and Ecology)

Result of Unit Test held on 12/10/19 on Unit IV

Name of Teacher: Ms. Dhanashree Badwaik

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	12
2.	Akanksha Shende	13
3.	Ashish Nanhe	16
4.	Dhanashree Dhote	12
5.	Diksha Bhanuse	10
6.	Kanchan Madavi	10
7.	Lavanya Shriramwar	15
8.	Monika Singh	14
9.	Muskan Harde	AA
10.	Pooja Karemore	16
11.	Pratiksha Mahurkar	12
12.	Rakshit Bolke	10
13.	Rita Walthare	17
14.	Ruchika Sadawarte	13
15.	Sakshi Barad	AA
16.	Sanskruiti Kukade	14
17.	Sayli Shetiye	AA
18.	Shital Bante	16
19.	Shivani Chaurikar	13
20.	Yogesh Ninawe	AA
21.	Zarina Ansari	18

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Ms. Dhanashree Badwaik



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Master of Science (M.Sc) (Semester III) MICROBIOLOGY
Paper III (Microbial Diversity, Evolution and Ecology)
UNIT TEST on Unit IV**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT IV

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

Q.2- Write about Phylum- Thermotoga and Aquifex. 10

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

**Department of Microbiology
M.Sc. II Semester-III (2019-20)
Paper IV (Drugs and Disease Management)
Result of Unit Test held on 28/9/19 on Unit III**

Name of Teacher: Dr. Pranita Gulhane

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	13
2.	Akanksha Shende	14
3.	Ashish Nanhe	15
4.	Dhanashree Dhote	10
5.	Diksha Bhanuse	10
6.	Kanchan Madavi	11
7.	Lavanya Shriramwar	14
8.	Monika Singh	18
9.	Muskan Harde	18
10.	Pooja Karemore	19
11.	Pratiksha Mahurkar	12
12.	Rakshit Bolke	AA
13.	Rita Walthare	AA
14.	Ruchika Sadawarte	15
15.	Sakshi Barad	14
16.	Sanskruiti Kukade	18
17.	Sayli Shetiye	AA
18.	Shital Bante	16
19.	Shivani Chaurikar	13
20.	Yogesh Ninawe	AA
21.	Zarina Ansari	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 2019-2020
Master of Science (M.Sc) (Semester III) MICROBIOLOGY
Paper IV (Drugs and Disease Management)
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 8-hydroxyquinone | 10 |
| Q.2- Describe chloroquine | 10 |

Signature of Teacher

Dr. Pranita Gulhane



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

Department of Microbiology

M.Sc. II Semester-III (2019-20)

Paper IV (Drugs and Disease Management)

Result of Unit Test held on 17/13/19 on Unit IV

Name of Teacher: Dr. Pranita Gulhane

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	14
2.	Akanksha Shende	10
3.	Ashish Nanhe	AA
4.	Dhanashree Dhote	AA
5.	Diksha Bhanuse	15
6.	Kanchan Madavi	13
7.	Lavanya Shriramwar	12
8.	Monika Singh	12
9.	Muskan Harde	10
10.	Pooja Karemore	14
11.	Pratiksha Mahurkar	10
12.	Rakshit Bolke	10
13.	Rita Walthare	12
14.	Ruchika Sadawarte	15
15.	Sakshi Barad	AA
16.	Sanskruiti Kukade	15
17.	Sayli Shetiye	13
18.	Shital Bante	AA
19.	Shivani Chaurikar	15
20.	Yogesh Ninawe	13
21.	Zarina Ansari	10

Gulhane

Signature of the Teacher
Dr. Pranita Gulhane



Mrs M J Madhugiri

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Master of Science (M.Sc) (Semester III) MICROBIOLOGY
Paper IV (Drugs and Disease Management)
UNIT TEST on Unit IV**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT IV

- | | |
|---|-----------|
| Q.1-Describe phenylbutazone and oxyphenbutazone | 10 |
| Q.2-Write a note on anti-inflammatory analgesics | 10 |



Signature of Teacher

Dr. Pranita Gulhane



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

Department of Microbiology

M.Sc. I Semester- II (2019-20)

**Paper-I (Microbial Methods for Environment Management)
Result of Unit Test held on 14/2/20 on Unit III**

Name of Teacher: Ms. Dhanashree Badwaik

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

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Signature of the Teacher
Ms. Dhanashree Badwaik



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
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-** Describe Waste Water Management Using Fluidized Bed Reactor. 10
- Q.2-** Write a note on Rotatory Biological Contractor. 10

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Signature of the Teacher

Ms. Dhanashree Badwaik



Mrs M J Madhugiri

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

Department of Microbiology

M.Sc. I Semester- II (2019-20)

**Paper-I (Microbial Methods for Environment Management)
Result of Unit Test held on 12/3/20 on Unit IV**

Name of Teacher: Ms. Dhanashree Badwaik

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

D Badwaik

Signature of the Teacher
Ms. Dhanashree Badwaik



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Master of Science (M.Sc) (Semester- II) MICROBIOLOGY
Paper-I (Microbial Methods for Environment Management)
UNIT TEST on Unit IV**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT IV

- Q.1-** Explain Impacts associated With Ozone Depletion. 10
- Q.2-** Describe in Detail Global warming and Climate Change. 10

DBadwaik

Signature of the Teacher

Ms. Dhanashree Badwaik



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

**Department of Microbiology
M.Sc. I Semester-II (2019-20)
Paper II (Microbial Metabolites)
Result of Unit Test held on 29/2/20 on Unit III**

Name of Teacher: Mrs. Madhuri Walvekar

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



Signature of the Teacher
Mrs. Madhuri Walvekar



Head of the Department
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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Master of Science (M.Sc) (Semester II) MICROBIOLOGY
Paper II (Microbial Metabolites)
UNIT TEST on Unit III**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT III

Q.1- Explain in Detail Rhodopsin and Accessory Pigments. 10

Q.2- Write a Detail note on Defensive role of pigments. 10



Signature of the Teacher

Mrs. Madhuri Walvekar



Head of the Department

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

**Department of Microbiology
M.Sc. I Semester- II (2019-20)**

**Paper II (Microbial Metabolites)
Result of Unit Test held on 9/3/20 on Unit IV**

Name of Teacher: Mrs. Madhuri Walvekar

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



Signature of the Teacher
Mrs. Madhuri Walvekar



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Master of Science (M.Sc) (Semester II) MICROBIOLOGY
Paper II (Microbial Metabolites)
UNIT TEST on Unit IV**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT IV

- Q.1-** Explain in Detail function and chemistry of Cynocobalamine (Vitamin B12). 10
- Q.2-** Write a Short note on Keratomalacia and Osteoporosis. 10



Signature of the Teacher

Mrs. Madhuri Walvekar



Head of the Department

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

Department of Microbiology

M.Sc. I Semester-II (2019-20)

Paper III (Medical Microbiology and Parasitology)

Result of Unit Test held on 8/2/20 on Unit III

Name of Teacher: Dr. Pranita Gulhane

Sr. No	Name of the Student	Marks out of 20
1.	Achala Waghmare	14
2.	Anjali Pogade	15
3.	Ankita Manapure	18
4.	Asmita Phophate	18
5.	Darshana Gawali	14
6.	Komal Dhoble	15
7.	Mithila Jadhav	16
8.	Niharika Kapse	12
9.	Palash Vaidya	10
10.	Poonam Ekunkar	10
11.	Rakhi Khandelwal	15
12.	Sakshi Sonsare	14
13.	Sakshi Chinchulkar	AA
14.	Saloni Komawar	AA
15.	Shradhha Bhandarkar	10
16.	Shraddha Nikhare	AA
17.	Simran Gajbhiye	14
18.	Supriya Nimkar	12
19.	Surabhi Bawankar	13
20.	Shrutika Dhole	AA
21.	Vaishnavi Manmode	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 2019-2020
Master of Science (M.Sc) (Semester II) MICROBIOLOGY
Paper III (Medical Microbiology and Parasitology)
UNIT TEST on Unit III**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT III

- Q.1-** Give morphology and lab diagnosis of Histoplasma capsulatum 10
- Q.2-** Explain morphology and lab diagnosis of Candida albicans 10



Signature of Teacher

Dr. Pranita Gulhane



Head of the Department

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

Department of Microbiology

M.Sc. I Semester-II (2019-20)

Paper III (Medical Microbiology and Parasitology)

Result of Unit Test held on 11/2/20 on Unit IV

Name of Teacher: Dr. Pranita Gulhane

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

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Dr. Pranita Gulhane



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Master of Science (M.Sc) (Semester II) MICROBIOLOGY
Paper III (Medical Microbiology and Parasitology)
UNIT TEST on Unit IV**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT IV

- Q.1-** Give the life cycle of Plasmodium vivax 10
- Q.2-** Explain Schistosomahaematobium infection cycle 10



Signature of Teacher

Dr. Pranita Gulhane



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

Department of Microbiology

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

Paper IV (Immunology and Immunodiagnostics)

Result of Unit Test held on 27/1/20 on Unit I

Name of Teacher: Ms. Anjali Sharma

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

Anjali S.

Signature of the Teacher
Ms. Anjali Sharma



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Master of Science (M.Sc) (Semester II) MICROBIOLOGY
Paper IV (Immunology and Immunodiagnostics)
UNIT TEST on Unit I**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT I

Q.1-Describe Mechanism of cell migration. 10

Q.2-Explain Biological function of complement system. 10

Anjali S.

Signature of the Teacher

Ms. Anjali Sharma



Mrs M J Madhugiri

Head of the Department

Mrs. M.J. Madhugiri

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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)

Paper IV (Immunology and Immunodiagnostics)

Result of Unit Test held on 7/3/20 on Unit IV

Name of Teacher: Ms. Anjali Sharma

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

Anjali S.

Signature of the Teacher
Ms. Anjali Sharma



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Master of Science (M.Sc) (Semester II) MICROBIOLOGY
Paper IV (Immunology and Immunodiagnostics)
UNIT TEST on Unit IV**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT IV

Q.1- Discuss In detail about Passive agglutination . 10

Q.2-Write a note on ELISA. 10

Anjali S.

Signature of the Teacher

Ms. Anjali Sharma



Mrs M.J. Madhugiri

Head of the Department

Mrs. M.J. Madhugiri

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

**Department of Microbiology
M.Sc. II Semester-IV (2019-20)**

**Paper I (Virology)
Result of Unit Test held on 20/1/20 on Unit I**

Name of Teacher: Mrs. Madhuri Walvekar

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	12
2.	Akanksha Shende	15
3.	Ashish Nanhe	14
4.	Dhanashree Dhote	18
5.	Diksha Bhanuse	18
6.	Kanchan Madavi	19
7.	Lavanya Shriramwar	12
8.	Monika Singh	AA
9.	Muskan Harde	15
10.	Pooja Karemore	19
11.	Pratiksha Mahurkar	15
12.	Rakshit Bolke	13
13.	Rita Walthare	10
14.	Ruchika Sadawarte	12
15.	Sakshi Barad	AA
16.	Sanskruiti Kukade	15
17.	Sayli Shetiye	13
18.	Shital Bante	15
19.	Shivani Chaurikar	13
20.	Yogesh Ninawe	AA
21.	Zarina Ansari	15



Signature of the Teacher
Mrs. Madhuri Walvekar



Head of the Department
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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY
Paper I (Virology)
UNIT TEST on Unit I**

Time: 60 min

Maximum Marks: 20

All questions are compulsory

UNIT I

- Q.1- Explain Nomenclature and classification of viruses. 10
- Q.2- Write short note on envelopes and types of viral nucleic acids 10



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

**Department of Microbiology
M.Sc. II Semester-IV (2019-20)**

**Paper I (Virology)
Result of Unit Test held on 9/3/20 on Unit IV**

Name of Teacher: Mrs. Madhuri Walvekar

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	15
2.	Akanksha Shende	14
3.	Ashish Nanhe	18
4.	Dhanashree Dhote	AA
5.	Diksha Bhanuse	16
6.	Kanchan Madavi	13
7.	Lavanya Shriramwar	AA
8.	Monika Singh	15
9.	Muskan Harde	15
10.	Pooja Karemore	19
11.	Pratiksha Mahurkar	12
12.	Rakshit Bolke	13
13.	Rita Walthare	AA
14.	Ruchika Sadawarte	15
15.	Sakshi Barad	13
16.	Sanskruiti Kukade	13
17.	Sayli Shetiye	10
18.	Shital Bante	AA
19.	Shivani Chaurikar	13
20.	Yogesh Ninawe	12
21.	Zarina Ansari	15



**Signature of the Teacher
Mrs. Madhuri Walvekar**



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY
Paper I (Virology)
UNIT TEST on Unit IV**

Time: 60 min

Maximum Marks: 20

All questions are compulsory

UNIT IV

- | | |
|---|----|
| Q.1- Explain Haemagglutination inhibition (HAI) | 10 |
| Q.2-Discuss Structure and Mechanism of action of Lamivudine | 10 |



Signature of Teacher

Mrs. Madhuri Walvekar



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

Department of Microbiology

M.Sc. II Semester-IV (2019-20)

Paper II (Microbial Fermentation Technology)

Result of Unit Test held on 27/1/20 on Unit I

Name of Teacher: Mrs. Vanita Kolhe

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	13
2.	Akanksha Shende	12
3.	Ashish Nanhe	16
4.	Dhanashree Dhote	12
5.	Diksha Bhanuse	11
6.	Kanchan Madavi	AA
7.	Lavanya Shriramwar	15
8.	Monika Singh	12
9.	Muskan Harde	10
10.	Pooja Karemore	10
11.	Pratiksha Mahurkar	15
12.	Rakshit Bolke	14
13.	Rita Walthare	11
14.	Ruchika Sadawarte	AA
15.	Sakshi Barad	10
16.	Sanskruti Kukade	AA
17.	Sayli Shetiye	14
18.	Shital Bante	12
19.	Shivani Chaurikar	13
20.	Yogesh Ninawe	AA
21.	Zarina Ansari	15

Vanita

Signature of the Teacher
Mrs. Vanita Kolhe



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
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:- All questions are compulsory

UNIT I

Q.1- Explain Fermentation kinetics. 10

Q.2- Give a note on chemostat and turbidostat. 10

Vanita

Signature of Teacher

Mrs. Vanita Kolhe



Mrs M J Madhugiri

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**

Department of Microbiology

M.Sc. II Semester-IV (2019-20)

Paper II (Microbial Fermentation Technology)

Result of Unit Test held on 13/2/20 on Unit II

Name of Teacher: Mrs. Vanita Kolhe

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	13
2.	Akanksha Shende	12
3.	Ashish Nanhe	16
4.	Dhanashree Dhote	12
5.	Diksha Bhanuse	11
6.	Kanchan Madavi	AA
7.	Lavanya Shriramwar	15
8.	Monika Singh	12
9.	Muskan Harde	13
10.	Pooja Karemore	10
11.	Pratiksha Mahurkar	13
12.	Rakshit Bolke	14
13.	Rita Walthare	11
14.	Ruchika Sadawarte	12
15.	Sakshi Barad	11
16.	Sanskruiti Kukade	10
17.	Sayli Shetiye	15
18.	Shital Bante	14
19.	Shivani Chaurikar	AA
20.	Yogesh Ninawe	17
21.	Zarina Ansari	10

Vanita

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Mrs. Vanita Kolhe



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
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-Which criteria involved in scale up? Explain in detail. 10

Q.2- Give a note on Downstream Processing. 10



Signature of Teacher

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. II Semester-IV (2019-20)

Paper III (Microbial Diversity, Evolution and Ecology II)

Result of Unit Test held on 24/2/20 on Unit II

Name of Teacher: Dr. Pranita Gulhane

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	09
2.	Akanksha Shende	10
3.	Ashish Nanhe	12
4.	Dhanashree Dhote	15
5.	Diksha Bhanuse	AA
6.	Kanchan Madavi	16
7.	Lavanya Shriramwar	17
8.	Monika Singh	15
9.	Muskan Harde	15
10.	Pooja Karemore	10
11.	Pratiksha Mahurkar	AA
12.	Rakshit Bolke	09
13.	Rita Walthare	11
14.	Ruchika Sadawarte	12
15.	Sakshi Barad	11
16.	Sanskruiti Kukade	AA
17.	Sayli Shetiye	15
18.	Shital Bante	14
19.	Shivani Chaurikar	AA
20.	Yogesh Ninawe	13
21.	Zarina Ansari	10

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Dr. Pranita Gulhane



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY
Paper III (Microbial Diversity, Evolution and Ecology II)
UNIT TEST on Unit II**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT II

Q.1 Write a note on Halophilic archaea and naniarchaeum 10

Q.2 Describe Evolutionary significance of hypethermophiles. 10



Signature of Teacher

Dr. Pranita Gulhane



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Microbiology

M.Sc. II Semester-IV (2019-20)

Paper III (Microbial Diversity, Evolution and Ecology II)

Result of Unit Test held on 6/3/20 on Unit III

Name of Teacher: Dr. Pranita Gulhane

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	09
2.	Akanksha Shende	10
3.	Ashish Nanhe	12
4.	Dhanashree Dhote	AA
5.	Diksha Bhanuse	AA
6.	Kanchan Madavi	15
7.	Lavanya Shriramwar	14
8.	Monika Singh	16
9.	Muskan Harde	15
10.	Pooja Karemore	AA
11.	Pratiksha Mahurkar	12
12.	Rakshit Bolke	08
13.	Rita Walthare	15
14.	Ruchika Sadawarte	14
15.	Sakshi Barad	AA
16.	Sanskruiti Kukade	12
17.	Sayli Shetiye	15
18.	Shital Bante	14
19.	Shivani Chaurikar	AA
20.	Yogesh Ninawe	13
21.	Zarina Ansari	10

Gulhane

Signature of the Teacher
Dr. Pranita Gulhane



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Master of Science (M.Sc) (Semester- IV) MICROBIOLOGY
Paper III (Microbial Diversity, Evolution and Ecology II)
UNIT TEST on Unit III**

Time: 60 min

Maximum Marks: 20

N.B:- All questions are compulsory

UNIT III

Q.1 Describe planctomyces

Q.2 Explain in detail Iron Oxidizing bacteria



Signature of Teacher

Dr. Pranita Gulhane





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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester-IV (2019-20)
Paper IV (Vaccines and Delivery System)
Result of Unit Test held on 17/1/20 on Unit II**

Name of Teacher: Dr. Manpreet Kaur

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	12
2.	Akanksha Shende	12
3.	Ashish Nanhe	14
4.	Dhanashree Dhote	14
5.	Diksha Bhanuse	12
6.	Kanchan Madavi	10
7.	Lavanya Shriramwar	AA
8.	Monika Singh	11
9.	Muskan Harde	15
10.	Pooja Karemore	17
11.	Pratiksha Mahurkar	15
12.	Rakshit Bolke	18
13.	Rita Walthare	17
14.	Ruchika Sadawarte	AA
15.	Sakshi Barad	11
16.	Sanskruiti Kukade	15
17.	Sayli Shetiye	17
18.	Shital Bante	15
19.	Shivani Chaurikar	AA
20.	Yogesh Ninawe	13
21.	Zarina Ansari	16

Manpreet Kaur

Signature of the Teacher

Dr. Manpreet Kaur



Mrs. M.J. Madhugiri

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**Shri Shivaji Education Society Amravati's
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Academic Session 2019-2020
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-** Write a note on BCG vaccine. 10
- Q.2-** Give a detail account on Polio vaccine (Inactivated, live attenuated). 10

Signature of the Teacher

Dr. Manpreet Kaur



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Microbiology
M.Sc. II Semester-IV (2019-20)
Paper IV (Vaccines and Delivery System)
Result of Unit Test held on 7/3/20 on Unit III**

Name of Teacher: Dr. Manpreet Kaur

Sr. No	Name of the Student	Marks out of 20
1.	Adiba Khan	10
2.	Akanksha Shende	AA
3.	Ashish Nanhe	10
4.	Dhanashree Dhote	15
5.	Diksha Bhanuse	08
6.	Kanchan Madavi	12
7.	Lavanya Shriramwar	AA
8.	Monika Singh	12
9.	Muskan Harde	14
10.	Pooja Karemore	11
11.	Pratiksha Mahurkar	AA
12.	Rakshit Bolke	17
13.	Rita Walthare	15
14.	Ruchika Sadawarte	12
15.	Sakshi Barad	13
16.	Sanskruiti Kukade	17
17.	Sayli Shetiye	AA
18.	Shital Bante	14
19.	Shivani Chaurikar	17
20.	Yogesh Ninawe	14
21.	Zarina Ansari	12



Signature of the Teacher

Dr. Manpreet Kaur



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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 Cytomegalo virus vaccines. 10
- Q.2-** Give a detail on Herpes simplex viral vaccines. 10



Signature of the Teacher

Dr. Manpreet Kaur



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