

No. of Printed Pages : 2

Sl. No.



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**B.A./B.Sc./B.B.M./B.Com. I Semester (NEP) Degree Examination,
March/April - 2022**

BIOTECHNOLOGY

Paper No. OEC 1 - Biotechnology for Human Welfare

Time : 3 Hours

Maximum Marks : 60

Instruction : Answer **all** Sections.

SECTION - A

1. Answer the following sub-questions each sub-question carries **one** mark. **10x1=10**
- (a) Expand DNA.
 - (b) What is Pollutant ?
 - (c) Mention any two beneficial bacteria.
 - (d) Name any two Antibiotics.
 - (e) What are Monoclonal Antibiotics ?
 - (f) What is Microbiology ?
 - (g) Expand PHB.
 - (h) What is Vaccine ?
 - (i) What is Biotechnology ?
 - (j) Define Electrophoresis.

SECTION - B

Answer **any four** of the following.

4x5=20

- 2. Explain the Role of Biotechnology in Forensic science.
- 3. Explain the beneficial role of micro-organisms in food industry.
- 4. Write a short note on the Role of Biotechnology in Pharmaceutical industry.
- 5. Briefly explain the recombinant Vaccines.
- 6. Give an account of the Agricultural wastes.
- 7. Explain the Solving Crimes of murder and rape.



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SECTION - C

Answer **any three** of the following.

3x10=30

8. Explain the principles, steps, types and applications of PCR.
9. Explain the 5 factors essential in food evaluation.
10. Describe the impact of Biotechnology on Environment.
11. Explain the alcoholic production methods in beverage industry.
12. Give the detail account of DNA finger printing with neat labelled diagram.

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