

Sl. No.

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**BA/B.Com./B.Sc./BCA I Semester Degree Examination,
March/April - 2023**

BIOTECHNOLOGY (OEC)

**Biotechnology for Human Welfare
(NEP)**

Time : 2 Hours

Maximum Marks : 60

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- Notes :** (i) Answer **all** the sections.
(ii) Draw the diagrams wherever necessary.
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SECTION - A

1. Answer **all** the sub-questions. **10x1=10**
- (a) Define Industry.
 - (b) What do you mean by Enzyme ?
 - (c) What is Pollutant ?
 - (d) Expand PHB.
 - (e) What is forensic Science ?
 - (f) What is DNA finger Printing ?
 - (g) Expand ELISA.
 - (h) What is Oncology ?
 - (i) Define Microbes.
 - (j) What are the functions of Preservatives ?

SECTION - B

- Answer **any four** of the following. **4x5=20**
2. Briefly explain the application of Biotechnology in Industry.
3. Write a short note on Agricultural Waste.



P.T.O.

4. Briefly explain the steps involved in DNA finger printing techniques.
5. Give an account of Human genome project.
6. Describe quality factors in preprocessed foods.
7. Briefly explain the degradation of hydrocarbons and agricultural wastes.

SECTION - C

Answer **any three** of the following.

3x10=30

8. Write a explanatory note on the production of Alcoholic beverage (Wine and Antibiotics).
9. Enumerate the applications of Biotechnology in degradation of Organic Pollutants.
10. Explain the role of Biotechnology in Forensic Science.
11. Write a short notes on Vaccines and Gene therapy. Add a note on a application of Biotechnology in Health.
12. Explain in detail about the microbial role in food products.

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