

21171



I SEMESTER UG EXAMINATION – MARCH/APRIL 2022

SCHEME: CBCS (NEP)

016

OPEN ELECTIVE: BIOTECHNOLOGY

TITLE: BIOTECHNOLOGY FOR HUMAN WELFARE

Time: 2 ½ Hours

Max Marks: 60

Instructions to Candidates: 1. All Questions are Compulsory.

2. Draw neat and labeled diagram wherever necessary.

- I. Answer any **TEN** questions. 10x2=20
1. Name any two branches of Biotechnology.
 2. Name two microbes used for wine production.
 3. What are antibiotics?
 4. What is biopharmaceutical?
 5. Define bioremediation.
 6. Name two organic pollutants.
 7. What is superbug?
 8. Name two uses of biofuel.
 9. What is forensic science?
 10. Name any two uses of paternity testing.
 11. Write the uses of insulin.
 12. What is ELISA?
- II. Answer any **FOUR** questions. 4x10=40
1. Give an account on production of wine.
 2. Write the role of biotechnology in detergent industry.
 3. Write the role of biotechnology in degradation of pesticides.
 4. Write the applications, advantages and disadvantages of bioplastics.
 5. Give an account on gene therapy.
 6. Explain Human Genome project.

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