

B.M.S COLLEGE FOR WOMEN, AUTONOMOUS
BENGALURU – 560004
SEMESTER END EXAMINATION – JANUARY/FEBRUARY 2023

Open Elective- I Semester

BIOTECHNOLOGY FOR HUMAN WELFARE
(NEP Scheme 2021-22 onwards - Freshers)

Course Code: BT1OE01

Duration: 2 ½ Hours

QP Code: 1209

Max. Marks: 60

PART- A

I. Answer any four of the following

(4×2=8)

1. Name the microorganisms used in Yogurt production
2. Define Biofuels
3. What is degradation of Oil Spill
4. Biomining
5. Mention types of Gene Therapy
6. Artificial Insemination

PART-B

II. Answer any four of the following

(4×5=20)

7. Give an account on biodegradable plastics.
8. What are single cell proteins? Write the steps involved in production of SCP
9. Explain the steps involved in degradation of heavy metals.
10. Define Bioremediation. Explain any two types of in-situ bioremediation.
11. Describe the process involved in antibiotic production.
12. What are vaccines? Add a note on its production

PART-C

III. Answer any four of the following

(8×4=32)

13. What are Vitamins? Mention the source, biological importance and deficiency syndrome of Vitamin E and K.
14. Explain the process involved in cheese production and add a note on its importance.
15. Explain the steps involved in waste management in detail.
16. Write the causes, effects, preventive measures of
 - a) Air Pollution
 - b) Soil Pollution
17. What are transgenic animals? Add a note on its application.
18. Explain the type of vaccine delivery system.