

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (BT) (Sem.-6)
ENVIRONMENTAL BIOTECHNOLOGY

Subject Code : BSBT-150-18

M.Code : 79461

Date of Examination : 06-01-2023

Time : 3 Hrs.

Max. Marks : 40

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **ONE** mark each.
2. **SECTION-B** contains **FIVE** questions carrying **2½** (Two and Half) marks each and students has to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students has to attempt any **TWO** questions.

SECTION-A

- 1. Write short notes on :**
- a) Define Phytoremediation.
 - b) What are Biofilms?
 - c) What is COD?
 - d) What is Bio accumulation?
 - e) What are trickling filters? What is its use?
 - f) What are Nitrogen fixing microorganisms?
 - g) What is Gasohol?
 - h) List types of Polluted soils.
 - i) Define Recalcitrance.
 - j) Which microbes work in anaerobic digesters? Give examples.

SECTION-B

2. Discuss Bio-remediation of Water contaminated with heavy metals and detergents.
3. Discuss Primary treatment of Waste water.
4. Write a note on Phytoremediation.
5. Write a note on strategies for Soil Bioremediation.
6. Draw a comparison between Modern and Conventional fuels.

SECTION-C

7. Deliberate on secondary treatment strategies for Industrial Effluents.
8. Explain role of microorganisms in Bioleaching and Ore Enrichment.
9. Discuss biodegradation of pesticides and complex hydrocarbons by Microorganisms.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.