

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(BT) (2014 to 2017) (Sem.-5)
ENVIRONMENTAL BIOTECHNOLOGY
Subject Code : BSBT-305
M.Code : 47058

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A**1. Define the following :**

- a) Phytoremediation
- b) Sludge
- c) Co-metabolism
- d) Xenobiotic compounds
- e) Biomagnification
- f) Biological Oxygen demand
- g) Digesters
- h) Trickling filters
- i) Sanitary Landfill.
- j) Vermicomposting

SECTION-B

2. Write a note on sources of solid waste.
3. Discuss parameters of water Quality assessment.
4. Write about advantages and limitations of microbial remediation.
5. Why and how are Xenobiotics hazardous?
6. Write a note on measurement of pollution levels.

SECTION-C

7. Elaborate on microbial processes involved in Hydrocarbon degradation.
8. Write in detail about advantages limitations and scope of phytoremediation.
9. Discuss different methods of anaerobic wastewater treatment.

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