

**BT4-T014 / PSCBIT-114 - Paper-II : Applied Environmental Biotechnology and Ecology**

P. Pages : 1

Time : Three Hours



**GUG/S/18/20141**

Max. Marks : 80

Notes : 1. All questions are compulsory and carry equal marks.

1. Write a note on IMViC test 16
- OR**
- Write the laboratory methods for the defection of pathogenic organism
- a) Multiple tube fermenting technique. 8
- b) Membrane filter technique. 8
2. Give the classification and types of waste water treatment. 16
- OR**
- Write a note on:
- a) Trickling filter 8
- b) Rotating biological contractor. 8
3. What are xenobiotics? Explain. 16
- OR**
- a) Write about biomethylation of Mercury. 8
- b) Describe bioabsorption and bioleaching of cadmium 8
4. What is biodiversity? Explain the biotechnological methods of conservation cryopreservation and micro propagation. 16
- OR**
- a) What is Wild life management? Add a note on tiger reserve in India. 8
- b) What is ecological aspect of mining. 8
5. Write a note on.
- a) Waste water composition and their types. 4
- b) Waste water treatment by biofilm. 4
- c) Genetic aspect of heavy metal resistance in cyanobacteria. 4
- d) Forest conservation. 4

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