

Roll No.

Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (CE/BT/CSE/EEE/ECE/IT/ME) (Sem.-1,2)

**ENVIRONMENT SCIENCE**

Subject Code : EVSC-101

M.Code : 54107

Date of Examination : 18-07-22

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION - B & C have FOUR questions each.
3. Attempt any FIVE questions from SECTION B& C carrying EIGHT marks each.
4. Select atleast TWO questions from SECTION - B & C.

**SECTION-A**

**Write briefly :**

- 1) What is the significance of 'interaction of systems' in ecosystem?
- 2) Differentiate between renewable and non-renewable resources giving two examples of each.
- 3) List any four biodiversity hot spots of India.
- 4) How are sources of air pollution classified? Give example of each.
- 5) Write any four causes of deforestation.
- 6) Differentiate between soil erosion and land degradation.
- 7) What is meant by sustainable development?
- 8) What is meant by environmental ethics?
- 9) Establish environmental protection as part of human rights.
- 10) Comment on the role of information technology in environment protection and human health.

### SECTION-B

- 11) Identify the major environmental problems in your region. Analyze and identify the multidisciplinary scientific areas which can offer solutions to the problem. Also, specify the role of you as an individual solving the issue.
- 12) “*Industrialization, though increased productivity, brought in environmental degradation*”. List out the major environmental problems associated modern industrial practices.
- 13) Discuss the energy flow through a desert ecosystem. Give neat sketches.
- 14) Consider automobile air pollution as major urban pollution issue. Identify the different pollutants and discuss their effects. Suggest suitable control measures.

### SECTION-C

- 15) List out and discuss the urban problems related to energy. Do you think electric vehicles offer solutions to urban environmental problems?
- 16) Write notes on :
  - a) Urban water conservation strategies
  - b) Wasteland reclamation.
- 17) Explain the role green house gases in global warming and climate change. Discuss the international efforts in curbing the climate change threats.
- 18) Discuss the salient provisions and issues associated with the enforcement of any four environmental laws in India.

**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.**