



**MCB-003-1192003**

Seat No. \_\_\_\_\_

**M. Sc. (Micro) (Sem. II) (CBCS) Examination**

**April / May - 2018**

**Micro - 209 : Environmental Sciences**

**Faculty Code : 003**

**Subject Code : 1192003**

Time : Hours]

[Total Marks : 70

**1** Answer any 7 : (2 marks each) **14**

- (i) What is Meteorology ?
- (ii) What is an ecosystem ?
- (iii) What are key stone species ?
- (iv) What is BGC I ?
- (v) Which type of vegetation is found in Taiga region ?
- (vi) What is the aim of EIA ?
- (vii) What is Rayleigh scattering ?
- (viii) Enlist air pollutants and their toxic effects.
- (ix) Enlist different processes used for wastewater treatment.
- (x) What are the main environmental legislations in India ?

**2** Answer any 2 of the following : (7 marks each) **14**

- (i) Give an account of scope of Environmental Science.
- (ii) Describe the structure and composition of atmosphere.
- (iii) Discuss various Pathways in Ecosystems.

**3** Answer the following : (7 marks each) **14**

- (i) Explain in detail pyramids of productivity.
- (ii) Give historical perspectives of botanical gardens.

**OR**

**3** Answer the following : (7 marks each) **14**

- (i) Explain types of community interactions in detail.
- (ii) Explain adaptive mechanisms used by plants in tropical rain forest.

- 4 Answer any **2** of the following : (7 marks each) **14**
- (i) Describe Global Warming.
  - (ii) Comment on the Clean Development Mechanism (CDM).
- 5 Write short notes on any **two** of the following : **14**  
(7 marks each)
- (i) Remote Sensing Process
  - (ii) EIA
  - (iii) Electromagnetic Spectrum
  - (iv) Geological Information System (GIS).
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