



**DBY-003-1192003**

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

**M. Sc. (Microbiology) (Sem. II) (CBCS)  
(W.E.F. 2016) Examination**

**July - 2022**

**MICRO-209 : Environmental Science**

**Faculty Code : 003**

**Subject Code : 1192003**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

- Instructions :** (1) Answer any Five questions.  
(2) Each question is of 14 marks.

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

- (a) Briefly describe the Environmental Management Plan (EMP) of human settlement and transport system.
- (b) Briefly describe the remote sensing applications of Aerial Photography.
- (c) What is mutualism ?
- (d) What are key stone species ?
- (e) Give difference between national park and wildlife sanctuary.
- (f) Which types of animals are found in Deciduous forests ?
- (g) Name some animals found in Deserts.
- (h) What is eutrophication ?
- (i) Give the name of different physio-chemical parameters used for water quality analysis.
- (j) Explain Kyoto protocol.

**2 Answer any two : (07 marks each) 14**

- (1) Explain Principles and scope of Environmental Science.
- (2) Describe various Meteorological scales for Sunny hot day of summer and windy rainy day of monsoon.
- (3) Write about Structure and Composition of lithosphere.

**3** Answer the following : (07 marks each) **14**

- (1) What is ecological pyramids ? Enlist various types of ecological pyramids.
- (2) Give historical perspectives of Wildlife sanctuary.

**OR**

- (1) What is Ecological succession ?
- (2) Explain adaptive mechanism used by plants in tropical rain forest.

**4** Answer all : (07 marks each) **14**

- (1) Describe the different wastewater treatment processes.
- (2) Write notes on climate change and Greenhouse effect.

**5** Answer any Two : (07 marks) **14**

- (1) Procedure and Function of EIA.
- (2) Write notes on application of GIS in environmental management.
- (3) What are the objectives of NEP ?
- (4) Discuss various environmental problems faced by India and related environmental legislation in India.

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