



PAS-003-1192003

Seat No. _____

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

August / September - 2020

MICRO-209 : Environmental Science

Faculty Code : 003

Subject Code : 1192003

Time : **2:30** Hours]

[Total Marks : **70**

- 1** Answer the following : (Any **Seven** out of ten) **7×2=14**
- (a) Definition of windroses.
 - (b) Give definition of biosphere.
 - (c) Which are the abiotic components of ecosystem?
 - (d) What is the method of monitoring air pollution?
 - (e) What is eutrophication?
 - (f) Give the names of different land pollutants.
 - (g) Explain Kyoto protocol.
 - (h) Define clean development mechanism.
 - (i) Shortly describe water quality standards.
 - (j) What are the Units for the measurement of Precipitation and Humidity?
- 2** Answer the following : (Any **Two** out of three) **2×7=14**
- (a) Write a note on structure and composition of lithosphere.
 - (b) Explain structure and composition of atmosphere.
 - (c) Describe the Physico-chemical and Biological factors in the environment.
- 3** Answer the following : (07 marks each) **2×7=14**
- (a) Explain types of food chains and food webs.
 - (b) Explain the Ecosystem of Sancturies and National Park.

OR

- 3** Answer the following : (07 marks each) **2×7=14**
- (a) Describe human ecology and human settlement.
 - (b) How energy flows through ecosystem? Explain.
- 4** Answer the following questions : **2×7=14**
- (a) Describe methods of monitoring and control of air pollution.
 - (b) Describe soil analysis parameters.
- 5** Answer the following : (Any **Two** out of four) **2×7=14**
- (a) Briefly describe the causes and effects of climate change.
 - (b) Briefly describe applications of GIS.
 - (c) Write a short note on the methodologies of EIA.
 - (d) Write a short note on Biomes of the world.
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