



MCB-003-1142003

Seat No. _____

**M. Sc. (Botany) (Sem. II) (CBCS)
(W.E.F. 2016) Examination
April / May - 2018
BOT - 209 : Environmental Science**

Faculty Code : 003

Subject Code : 1142003

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

[Total Marks : 70

- 1** Answer the following : (any seven) **2×7=14**
- (a) Name some plants found in Tropical savannah.
 - (b) What is trophic efficiency ?
 - (c) Give significance of National Parks.
 - (d) Explain Kyoto protocol.
 - (e) What is eutrophication ?
 - (f) Write the names of different processes used for wastewater treatment.
 - (g) Write full form of NEPA, UNEP, UNESCO, UNDP.
 - (h) Why environment assessment is necessary ?
 - (i) What is the scope of Environmental Science ?
 - (j) Explain : windroses and trophic efficiency.
- 2** Describe in detail any **two** of the following : **2×7=14**
- (a) Pathways of Ecosystem.
 - (b) Structure and composition of Hydrosphere.
 - (c) Role of biological factors on Environment.
- 3** Answer the following : **2×7=14**
- (a) What is Ecological Succession ?
 - (b) Explain adaptive mechanism used by plants in tropical rain forest.

OR

- 3** Answer the following : **2×7=14**
- (a) Give historical prospectives of Botanical Gardens.
 - (b) Explain population ecology in detail.
- 4** Explain briefly : **2×7=14**
- (a) Climate change and greenhouse effect.
 - (b) Air and water pollutants and their effects.
- 5** Describe in detail any **two** of the following : **2×7=14**
- (a) Remote Sensing Process.
 - (b) Geological Information System (GIS).
 - (c) Procedure or Function of EIA.
 - (d) Mechanism of Scattering.
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