



**PAS-003-1142003**

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

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

**August - 2020**

**BOT-209 : Environmental Science**

**Faculty Code : 003**

**Subject Code : 1142003**

Time : **2:30** Hours]

[Total Marks : **70**

**1** Answer the following : (Any Seven) **2×7=14**

- (a) What is mutualism?
- (b) Distinguish the term food chain and food web.
- (c) Name the plants found in Tropical savannah.
- (d) What is green house effect?
- (e) Define EMP.
- (f) Name the parameters used for water quality analysis.
- (g) What is adhoc method?
- (h) What is atmospheric stability?
- (i) Define Kyoto protocol.
- (j) What is Eutrophication?

**2** Answer the following : (Any Two) **7×2=14**

- (a) Describe methodologies used for EIA.
- (b) Give a brief account on remote sensing.
- (c) Write a short note on applications of GIS.

**3** Answer the following : **7×2=14**

- (a) Exemplify population ecology.
- (b) How energy flows through ecosystem? Explain.

**OR**

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**1**

**[ Contd....**

(a) Write a short note on hydrosphere.

(b) Describe ecological succession.

4 Answer the following : **7×2=14**

(a) Give a brief account on biotic and abiotic components.

(b) Write a short note on Sanctuaries and National park.

5 Answer the following : (Any Two) **7×2=14**

(a) Give a detailed account on water pollutants and its effects.

(b) Discuss ozone depletion and global warming.

(c) Name various soil pollutants with their adverse effects.

(d) Write a short note on primary and secondary air pollutants and acid rain.

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