



PAS-003-014203

Seat No. _____

**M. Sc. (Botany/Zoology/Microbiology) (Sem. II)
(CBCS) Examination**

August - 2020

**209 : Environmental Science
(Old Course)**

Faculty Code : 003

Subject Code : 014203

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

[Total Marks : 70

- 1 Answer the following very briefly : (Any Seven) 2×7=14**
- (a) What is Ecology? Define giving reasons.
 - (b) Give few characteristics of the ecosystem
 - (c) Define trophic efficiency. Give examples.
 - (d) Write your understanding on biome
 - (e) Give few components of biogeochemical cycles
 - (f) What is Earth's hydrosphere?
 - (g) Name few types of rocks
 - (h) What is ozone depletion? State its significance.
 - (i) Give few effects of global warming
 - (j) Define renewable and non-renewable resources
- 2 Answer of the following : (Any Two) 7×2=14**
- (a) Write a note on the environmental management and planning.
 - (b) Briefly describe the principle of limiting factors.
 - (c) State the general concept of biogeochemical cycles.
- 3 Answer the following : 7×2=14**
- (a) Explain ecological efficiency and pyramids
 - (b) Briefly describe the Earth's lithosphere

OR

- 3 Answer the following : **7×2=14**
(a) Briefly explain Clean Development Mechanism (CDM).
(b) Write the principles and scope of ecology.
- 4 Answer the following : **7×2=14**
(a) Briefly explain the effects of global warming to mankind.
(b) Write a note on Earth's hydrosphere.
- 5 Answer the following : (Any **Two**) **7×2=14**
(a) Write a note on the soil formation and development.
(b) Briefly describe the air pollution.
(c) Briefly describe the principles and scope of environment science.
(d) Write a note on the meteorology and weather.
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