



NCE-003-014203 Seat No. _____

M. Sc. (Botany / Zoology / Microbiology)

(Sem. II) (CBCS) Examination

April / May - 2017

209 - Environmental Science

Faculty Code : 003

Subject Code : 014203

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

[Total Marks : 70

1 Answer the following very briefly : (any seven) **2x7=14**

- (a) Define 'Ecology'.
- (b) Write some functions of ecosystem.
- (c) What is trophic efficiency?
- (d) Define biome.
- (e) Define biogeochemical cycles.
- (f) Define hydrosphere.
- (g) Name some types of rocks.
- (h) Define ozone depletion.
- (i) Give some global warming effects.
- (j) Define renewable and non-renewable resources.

2 Answer of the following : (any two) **7+7=14**

- (a) Discuss the principle of limiting factors.
- (b) Write a note on general concept of biogeochemical cycles.
- (c) Briefly describe the environmental management and planning.

3 Answer the following : **7+7=14**

- (a) Write a note on lithosphere.
- (b) Briefly describe ecological efficiency and pyramids

OR

3 Answer the following : **7+7=14**

- (a) Write the principles and scope of ecology.
- (b) Briefly describe the Clean Development Mechanism (CDM).

4 Answer the following : **7+7=14**

(a) Write a note on global warming and its effects.

(b) Write a note on hydrosphere.

5 Answer the following : (any **two**) **7+7=14**

(a) Briefly describe the principles and scope of environment science.

(b) Write a note on the meteorology and weather.

(c) Write a note on the soil formation and development.

(d) Briefly describe the air pollution.
