



NCE-003-1182003 Seat No. _____

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

April / May - 2017

Zoology : ZOO-209

(Environmental Science)

Faculty Code : 003

Subject Code : 1182003

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

[Total Marks : 70

- 1 Answer the following in brief : (any seven) **2×7=14**
- (a) What are the biological factors of environment?
 - (b) What are the components of Lithosphere?
 - (c) Define Anthrosphere and Biosphere.
 - (d) Define : Food web and Food chain
 - (e) What are key stone species?
 - (f) Explain gravitational and capillary water.
 - (g) What are the anthropogenic greenhouse gases?
 - (h) What will be effect of global warming on sea?
 - (i) What do you mean by environment impact analysis?
 - (j) Give methods of the Impact assessments.
- 2 Answer of the following : (any two) **7×2=14**
- (a) What is an ecological efficiency? Explain the Interception and Transfer efficiency with suitable example.
 - (b) Briefly describe the effects of temperature on plants and animal.
 - (c) Classify and describe ecological pyramids.
- 3 Answer the following **7×2=14**
- (a) Give adaptive mechanisms used by plants and animals in Taiga region.
 - (b) Give historical prospective of wild life sanctuary.

OR

- 3** Answer the following : **7×2=14**
- (a) Describe natural and anthropogenic sources of pollution.
 - (b) Write notes on sewage, waste water treatment and recycling.
- 4** Answer the following **7×2=14**
- (a) Give a detailed account on Environmental management and Planning.
 - (b) Describe Clean Development Mechanism.
- 5** Answer the following : (any **two**) **7×2=14**
- (a) Write notes on prey-predator relationships.
 - (b) Give a detailed account on Soil pollution control.
 - (c) What are the global environmental problems? Describe briefly.
 - (d) Write notes on application of GIS in Environmental management.
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