



MCB-003-1182003

Seat No. _____

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

April / May - 2018

ZOOL - 209 : Environmental Science

Faculty Code : 003

Subject Code : 1182003

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

[Total Marks : 70

1 Answer the following very briefly : (any **seven**) **2×7=14**

- (a) What is your understanding about 'Ecosystem' ?
- (b) Define key stone species with examples.
- (c) What is trophic efficiency ?
- (d) Define : Food web and Food chain.
- (e) Compare between gross primary productivity and net primary productivity.
- (f) Define climate change.
- (g) Name few primary and secondary air pollutants .
- (h) Explain Kyoto protocol.
- (i) Give the full form of NEPA, UNEP, UNESCO, UNDP.
- (j) Define GIS.

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

- (a) Write a note on biomes of the world.
- (b) Write a note on the geographical classification and zone.
- (c) Write a short note on clean development mechanism (CDM).

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

- (a) Explain types of community interactions in detail.
- (b) Write a brief note on lithosphere.

OR

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

- (a) Write a note on the ecological succession
- (b) Describe the methodologies of EIA

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

- (a) Give a brief account on global warming, the causes and effects.
- (b) Give historical perspectives of wildlife sanctuary.

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

- (a) Give details regarding major areas of ecological study.
 - (b) Write a note on the pyramids in productivity.
 - (c) What is the minimum program for environmental protection ?
 - (d) How energy flows through ecosystem? Explain with examples.
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