



NCE-003-1192003 Seat No. _____

M. Sc. (Microbiology) (Sem. II) (CBCS) Examination

April / May - 2017

MICRO-209 : Environmental Sciences

Faculty Code : 003

Subject Code : 1192003

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

[Total Marks : 70

- Instructions :** (1) All questions are compulsory.
(2) Support your answers with suitable illustrations where required.

1 Answer any seven out of the following 10 Questions : **2×7=14**

- (a) Define : Lithosphere and Hydrosphere.
- (b) Define : Inversion.
- (c) Define Food web giving suitable example.
- (d) Enlist various kinds of Ecological pyramids.
- (e) What is Prey- Predator relationship?
- (f) What is clean development mechanism?
- (g) Enlist reasons of Global warming.
- (h) What is Acid rain ?
- (i) What is Environmental Impact Assessment (EIA) ?
- (j) State major role of GIS in Environmental Management.

2 Answer any **two** of the following : **7×2=14**

- (a) Write about structure and composition of Atmosphere.
- (b) Write a note on scale of meteorology.
- (c) Write a note on Physicochemical factors in the environment.

3 Answer the following : **7×2=14**

- (a) Write a note on principles and scope of ecology.
- (b) Write a note on abiotic and biotic components of ecosystem.

OR

3 Answer the following : **7×2=14**

- (a) Give a brief account on Biomes of the world.
- (b) Write a note on Sanctuaries with suitable examples.

4 Answer the following : **7×2=14**

- (a) Describe various methods of waste water treatment.
- (b) Explain : the reasons for Ozone depletion and its prevention.

5 Answer any **two** of the following : **7×2=14**

- (a) Describe : Environmental impact assessment methodologies.
- (b) Write a note on: Environmental management plan.
- (c) Write the principle of remote sensing and its applications.
- (d) Write a note on : Procedures for reviewing environmental impact assessment.
