

Ph.D. ENTRANCE EXAMINATION, NOVEMBER 2009

FACULTY OF SCIENCES

ENVIRONMENTAL SCIENCES

Time: 140 Minutes

Maximum Marks: 160

Note: Answer **any twelve** questions from Section **B** and **one** question from Section **C** in the subject concerned. In Section **B**, **each** question carries **10** marks. Section **C** carries **40** marks. In Section **B** an answer should not exceed **100** words. In Section **C**, an answer should not exceed **500** words.

SECTION - B

1. Stratospheric Ozone.
2. Air quality monitoring.
3. GIS and Remote Sensing in Environment management.
4. Seaweeds
5. Cost-Benefit Analysis.
6. Biocoenosis
7. What is EEZ?
8. Biomagnification and Bioaccumulation.
9. What are land polluters? Explain.
10. Meteorology
11. Significance of DO in water quality.
12. Acid rain
13. Sewage Pollution.
14. Artificial fertilizers and Pesticides, explain.
15. Explain water quality parameters.
16. Ionizing and non-ionizing radiations.

SECTION - C

1. What are environmental pollutants? Describe various pollutants of air, water and land.
2. Write an essay on composting and vermicomposting.
3. Write an essay on different types of waste-management and give your ideas on most desirable methods in Kerala.