

**2015**

**M.Sc. Part-I Examination**

**ENVIRONMENTAL SCIENCE**

**PAPER—II**

*Full Marks : 100*

*Time : 4 Hours*

*The figures in the right-hand margin indicate full marks.*

*Candidates are required to give that answers in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

*Answer Q. No. 1 and any five questions from the rest.*

1. Answer any ten of the following : 10×2

- (i) What is the significance of environmental education ?

*(Turn Over)*

- (ii) Identify the goal and characteristics of 'Narmada Banchao Andolon'.
- (iii) Highlight the significance of Biodiversity.
- (iv) What are the vectors of disease transmission?
- (v) What are the characteristics of silent valley movement?
- (vi) What is the significance of environmental ethics?
- (vii) How far the urban air quality is influenced by vehicular pollution?
- (viii) What is water crisis?
- (ix) What are the components of 'biogas'?
- (x) Identify the sources of methans.
- (xi) What are the characteristics of Reserve Forests?
- (xii) Mention the two important rivers of South India.
- (xiii) Identify the effects of fluoride pollution.

- (xiv) What is Agenda 21?
  - (xv) What is soil horizon?
2. Explain the Global environmental problems emerged from climatic change. Identify the role of ozone layer depletion in global warming. 8+8
  3. Why soil erosion takes place? Describe the various techniques for reclamation of Alkaline and Saline Soil. 6+10
  4. Explain the causes of formation of the wastelands. Identify the types of various wastelands. Discuss the management techniques of wasteland. 6+3+7
  5. What is River Linking Project in India? Discuss the various effects which are caused due to implementation of River Linking Project in the country. 6+10
  6. Discuss the functions of wetlands. What is the necessity of conservation of Indian lakes? How far the rain water harvesting techniques can minimize the water crisis in the dry zone environment? 6+3+7

7. Write short notes on the following items :

(a) Depletion of natural resources ;

(b) World conservation strategy. 8+8

8. Draw the relationship between ground water with surface water. Write down the causes and management of desertification. 4+7+5

9. Write a note on the waste disposal recycling methods. Identify the ways of fly ash utilization. What is Arsenic contamination of the ground water ? .7+4+5