

ENVIRONMENTAL SCIENCE

F M 70

Duration: 3 hours

Answer any **SIX** questions including Q No 1 which is compulsory
Figures in the right hand margin indicate marks

Answer Q.No.1 which is compulsory and any five from the rest

The figures in the parenthesis in the right hand margin indicate marks

1. Answer all questions

(2x10)

- (i) What are the components of earth system?
- (ii) What are the differences between renewable and non renewable resources?
- (iii) Write a note on evaporation and evapotranspiration.
- (iv) What are the causes of water pollution?
- (v) Explain the reason of climate change.
- (vi) Write a small note on carbon foot print.
- (vii) What is the working principle of ready-made water filter in drinking water supply?
- (viii) Why proper storage of MSW is essential?
- (ix) What is e-waste?
- (x) What are the classifications in Hazardous waste management?

2. Explain in detail about levels of organizations in environment Ecosystem process. (10)

3. Write a short notes on (answer any two) (5x2)

- (i) Hydrological cycle
- (ii) Water balance
- (iii) Energy budget

4. Describe various air pollutants, soil pollutants and their impacts. (10)

5. (i) Discuss the screening and scoping stages of the process for EIA. (5)
(ii) Write a note on Environmental policies and acts. (5)

6. (i) write a note on MSW management and waste minimization of MSW (5)
(ii) What are the reuse and recycling methods of MSW? (5)

7. Explain in detail about Lay out of a water treatment plant and working principles of each process. (10)

8. Explain in detail about sources and treatment principles of biomedical waste Management. (10)