

2020**ENVIRONMENTAL SCIENCE****[HONOURS]****Paper : V****[SUPPLEMENTARY]**

Full Marks : 75

Time : 4 Hours

*The figures in the right-hand margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.*1. Answer any **five** of the following: $1 \times 5 = 5$

- a) What is environmental quality indexing?
- b) What is matrix of EIA?
- c) What are micro-nutrient of soil?
- d) What is land subsidence?
- e) What is ground water pollution?
- f) What is geo-stationary satellite?
- g) What is soil parent material?

2. Answer any **six** of the following: $2 \times 6 = 12$

- a) State the scope of EIA.

- b) What is soil profile?
- c) What is oligotrophic lake?
- d) What is the use of satellite image?
- e) Define urban heat island.
- f) State the purpose of rain water harvesting.
- g) How does GIS help in environmental quality monitoring?
- h) Give the objectives of environmental quality monitoring?

3. Answer any **three** of the following: $6 \times 3 = 18$

- a) Discuss land resource utilisation.
- b) Discuss short-term rotational forestry.
- c) Discuss the preventive measures of Groundwater pollution.
- d) Mention the process of chemical weathering of rocks.
- e) What is soil pollution?
- f) Mention the role of Polar orbiting satellite.

4. Answer any **four** of the following: $10 \times 4 = 40$

- a) Discuss the sources of soil pollution and its management.

- b) Give an overview on the classification of parent materials of soil.
 - c) What is environmental audit? Discuss its scope, procedure and benefits.
 - d) Explain the differences between air photo and satellite image.
 - e) Describe the process involved in land use and land cover assessment.
 - f) Critically discuss the concept and applications of environmental monitoring.
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