

2020**ENVIRONMENTAL SCIENCE****[HONOURS]****Paper : IV**

Full Marks : 75

Time : 4 Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **five** of the following: $2 \times 5 = 10$
- i) Define relative humidity.
 - ii) Mention any two natural causes of forest fire.
 - iii) What do you mean by "demographic transition"?
 - iv) What is natural resource?
 - v) What is eluviation?
 - vi) What is radical environmentalism?
 - vii) What is polar wandering?
 - viii) Write two important characteristics of "black soil".

2. Answer any **three** of the following: $5 \times 3 = 15$
- i) Briefly describe the causes and mitigation of cyclone.
 - ii) Write in brief about various events that can provide clues to earthquake probability.
 - iii) Briefly mention the characteristic features of "Narmoda Bachao Andolon".
 - iv) Write two evidences in support of the continental drift.
 - v) Write in short on ecofeminism.
3. Answer any **five** of the following: $10 \times 5 = 50$
- i) Explain the limitations of Koppen's classification. Describe the salient features of Indian Monsoon. $3 + 7 = 10$
 - ii) Write down the factors that affecting flood. Briefly discuss about hazards associated with flood. $4 + 6 = 10$
 - iii) Mention different geological time scale. Describe the floral and faunal changes that occurred during different geological time scale. $4 + 6 = 10$
 - iv) What are the basic differences between Annex-I and Non-Annex-I countries in regard to global environmental politics? Write a short note on principle of environmental justice. $5 + 5 = 10$

v) Write down the distinctions of active, dormant and extinct volcano. Describe the effects of volcanic eruptions on environment.

4+6=10

vi) Elaborate the relationship between man and environment considering its phases. 10

vii) Distinguish between weather and climate. Characterize any one of the climatic zones of the world on the basis of temperature, rainfall profile, vegetation, and soil.

2+8=10

viii) Write short notes on:

a) 'Green Plan' and its significance.

b) Natural hazard prone areas in India.

5+5=10
