

2022

GEOGRAPHY — HONOURS

Paper : DSE-A-2

(Climate Change, Vulnerability and Adaptation)

Full Marks : 50

The figures in the margin indicate full marks.

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

Category - A

Answer **any five** questions (each within **50** words).

2×5

1. Cite any one evidence of climate change.
2. What is electromagnetic spectrum?
3. What is climate cycle?
4. Specify the objectives of Kyoto Protocol.
5. What is solar constant?
6. Mention two human health issues of tropical urban areas related to climate change.
7. How does the crop calendar of a place change with time?

Category - B

Answer **any four** questions (each within **150** words).

5×4

8. Discuss in brief the heat balance of the earth.
9. What is the significance of dendrochronology in climate change research?
10. Briefly state the role of IPCC in addressing climate change.
11. How far are anthropogenic activities responsible for global warming?
12. State the possible impact of climate change on global water crisis.
13. Describe the functions of COP.

Please Turn Over

Category - C

Answer *any two* questions (each within 500 words).

14. Discuss the global climate change with reference to geological time scale highlighting the Holocene period. 10
 15. What are the major greenhouse gases? Assess the impact on global warming with suitable examples. 3+7
 16. Give a broad outline of the National Action Plan on climate change in India. 10
 17. Evaluate the role of urban local bodies, panchayats and educational institutions on climate change mitigation specially on awareness and action programmes. 10
-