

MENTORSHIP PROGRAM TEST – M4

- 1) Earthquake waves had helped scientists to explain the earth's interior. Explaining various types of earthquake waves, discuss how these have helped to understand earth's interior. **(120 words) 10 marks**
- 2) How do you distinguish between the process of soil formation and soil forming factors? What is the role of climate and biological activity as two important control factors in the formation of soils? **(120 words) 10 marks**
- 3) What is Karst Topography? What are the essential conditions for the development of Karst Topography? **(120 words) 10 marks**
- 4) What are the causes for the formation of Tropical Cyclone? **(120 words) 10 marks**
- 5) How Indian Monsoon is being influenced by Jet Streams? Illustrate. **(120 words) 10 marks**
- 6) What is Coral bleaching? How is it caused in modern times? **(120 words) 10 marks**
- 7) When the air mass is said to be stable? How it can stability be promoted? **(120 words) 10 marks**
- 8) There is intense cold in the mountainous regions during nights but plants and trees are not affected from frost damages. Why? **(120 words) 10 marks**
- 9) Elaborate any four major environmental movements in India post 1970s. **(120 words) 10 marks**
- 10) What is the fundamental difference between the Superimposed and Antecedent drainage system? Give example. **(120 words) 10 marks**
- 11) What is badland topography? How it is formed? Give examples from India. **(120 words) 10 marks**

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- 12)** What are Norwesters? How they are caused and discuss their spread across India? **(120 words) 10 marks**
- 13)** Discuss the vertical distribution of salinity in the oceans (120 words) 10 marks
- 14)** Explain the structure and formation of Thunderstorm. How it is different from Tornado? **(120 words) 10 marks**
- 15)** What are Lacustrine Plains? Where it is found in India? Explain their economic significance? **(120 words) 10 marks**