

## Geography IAS Mains 2011 Paper I

Each question is printed both in Hindi and in English

Answer must be written in the medium specified in the Admission Certificate issued to you, which must be stated clearly on the cover of the answer-book in the space provided for the purpose. No marks will be given for the answers written in a medium other than that specified in the Admission Certificate.

Candidates should attempt Questions Nos. 1 and 5 which are compulsory, and any three of the remaining questions selecting at least one question from each Section. Wherever a question is attempted, all its parts are to be attempted.

The number of marks carried by each question is indicated at the end of the question.

Illustrate your answers with suitable sketches, maps and diagrams, where appropriate.

### Section-A

1. Write short note on the following in about 150 words each:  $12 \times 5 = 60$

- a. Geomagnetism and paleomagnetism
- b. Rossby waves and Jet Stream
- c. Salinity patterns in Indian Ocean
- d. Soil profile in Zonal and Azonal soils
- e. Marine Ecosystem

2. Answer the following questions

- a. Name the climatically controlled agents of erosion. Explain how they differ in terms of properties of matter. Compare the landforms produced by each one of them. 30
- b. Explain the concept of Isostasy as postulated by Airy and Pratt. 30

3. Answer the following questions

- a. Give an account of global distribution of precipitation. 30
- b. "Contemporary global climate change is an anthropogenic phenomenon." Discuss. 30

#### 4. Answer the following questions

- a. "Temperature, salinity and density differences in ocean water are the prime causes of ocean water circulation." Elaborate. 30
- b. Define the term biome. List the terrestrial biomes and describe the characteristics of Savanna biome. 30

### Section-B

#### 1. Write short explanatory notes on the following: $12 \times 5 = 60$

- a. Welfare Approach in Human Geography
- b. Secondary cities in the context of urbanization in developing world
- c. Isodapane in the Theory of Industrial Location
- d. Population and Food security
- e. Ingredients of Sustainable Development

#### 2. Answer the following questions

- a. Discuss the impact of positivism in paradigm shift in Geography. 30
- b. Enumerate alternative strategies of planning for backward regions. 30

#### 3. Answer the following questions

- a. Distinguish between boundaries and frontiers. Identify different types of boundaries.
- b. Mention the agricultural regions as classified by Whittlesey and discuss their relevance. 30

#### 4. Answer the following questions

- a. Discuss System Approach and its applicability in Geography. 30
- b. Critically examine the salient features of Central Place Theory propounded by Christaller and Losch. 30



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### Discussions & Questions

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1 Answer

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- Examrace on 28-Aug-2016