



UPSC

2011 - MAINS - GEOGRAPHY PAPER - I

Question paper specific Instructions

Please read each of the following instruction carefully before attempting questions :

There are EIGHT questions divided in two SECTIONS

Candidate has to attempt FIVE questions in all

Questions no. 1 and 5 are compulsory and out of the remaining, any three are to be attempted choosing at least ONE from each section.

Word limit in questions, when specified, should be adhered to.

Illustrate your answers with suitable sketches, maps and diagrams. These shall be drawn in the space provided for answering the question itself.

Attempts of questions shall be counted in chronological order. Unless struck off, attempt of a question shall be counted even if attempted partly. Any page or portion of the page left blank must be clearly struck off.

1. write short notes on the following in about 150 words each : 12 x 5 = 60
- Geomagnetism and Paleomagnetism
 - Rossby waves and Jet Stream
 - Soil profile in Zonal and Azonal soils
 - Marine Ecosystem
2. (a) name the climatically controlled agent 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. (a) Give an account of global distribution of precipitation 30
- (b) "Contemporary global climate change is an anthropogenic phenomenon" Discuss 30
4. (a) "Temperature, salinity and density difference 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



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Section B

5. Write short explanatory notes on the following 12 x 5 = 60
- Welfare Approach in Human Geography
 - Secondary cities in the context of urbanization in developing world
 - Isodapane in the Theory of Industrial Location
 - Population and Food security
 - Ingredient of Sustainable Development
6. (a) Discuss the impact of positivism in paradigm shift in Geography 30
(b) Enumerate alternative strategies of planning for backward regions 30
7. (a) Distinguish between boundaries and frontiers Identify different types of boundaries 30
(b) Mention the agricultural regions as classified by Whittlessey and discuss their relevance
8. (a) Discuss Systems Approach and its applicability in Geography
(b) Critically examine the salient features of Central Place Theory propounded by Christaller and Losh