



GEOGRAPHY (M): 2012

Paper I

10 October, 2012

Time Allowed: Three Hours

Maximum Marks: 300

INSTRUCTIONS

Each question is printed both in Hindi and in English. Answers 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 no.1 and 5 which are compulsory and any **three** of the remaining questions selecting at least one question from each section. The number of marks carried by each question is indicated at the end of the question.*

Illustrate your answers with suitable sketch, maps, diagrams, wherever considered required.

Important: Whenever a question is being attempted, all its parts /sub-parts must be attempted contiguously. This means that before moving on to the next question to be attempted, candidates must finish attempting all parts/sub-parts of the previous question attempted. This is to be strictly followed.

Pages left blank in the answer-book are to be clearly struck out in ink.

Any answers that follow pages left blank may not be given

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Section 'A'

1. Write short notes on the following in about 150 words

each : **12x5=60**

- (a) Palaeozoic glacial evidence for continental Drift.
- (b) Systems approach to landform analysis.
- (c) Compare and contrast tropical cyclone and temperate cyclone.
- (d) Major components of IGBP.
- (e) Different layers of ocean water above abyssal plain.

2. Answer the following in about 400 words each:

- (a) Explain how Bosche and Haldenhang lead to the Theory of slope Replacement. 30
- (b) Classify airmasses and explain how 'cP' airmass affects global climate. 30

3. Answer the following in about 250 words each:

- (a) Discuss how different types of mining lead to different types of environmental problems. 20

- (b) Adaptation and distribution of animals in the Ethiopian realm. 20
- (c) Impact of Cryosphere on global climate. 20

4. Answer the following in about 250 words each:

- (a) Characteristics of the standard epigene cycle of erosion. 20
- (b) Programmes initiated by the International Council of Science on Earth System studies. 20
- (c) "Atolls present the most challenging explanation in the evolution on coral reefs", Discuss. 20

Section 'B'

5. Write short notes on the following in about 150 words

each : **12x5=60**

- (a) Relevance of distance decay principle in Indian cities.
- (b) Impact of migration on urban demography.
- (c) Similarities in the population distribution of southern continents and reasons for the same.
- (d) Status of infant mortality rate in the world.
- (e) Problems faced by industries which developed due to inertia.

6- Answer the following in about 400 words each:

- (a) Evaluate the various models on population density distribution in urban centres. 30
- (b) "Though 70% of Indian population is rural, urban planning is crucial to the development of India." Discuss. 30

7- Answer the following in about 250 words each :

- (a) Salient features of watershed planning and its advantages and disadvantages. 20

(b) Impact of changing fertility ratio on world population distribution. 20

(c) "Colonial forces resulted in the primate pattern of urban process in most Southeast Asian countries." Discuss. 20

8. Answer the following in about 250 words each:

(a) Regional shifts in the world urbanization after 1950 and the varied characteristics of urban process. 20

(b) Impact of failure of Monsoon on Gujarat Agro-climatic zone. 20

(c) Locational significance of Rotterdam in European economy. 20