

GEOGRAPHY

PAPER 1

(THEORY)

(Maximum Marks: 70)

(Time allowed: Three hours)

(Candidates are allowed additional 15 minutes for **only** reading the paper.
They must NOT start writing during this time.)

Answer **Sections A and B** from **Part I** which are compulsory.

Answer any **four** questions from **Part II**.

Sketch maps and diagrams should be drawn wherever they serve to illustrate your answer.
The intended marks for questions or parts of questions are given in brackets [].

PART I (30 Marks)

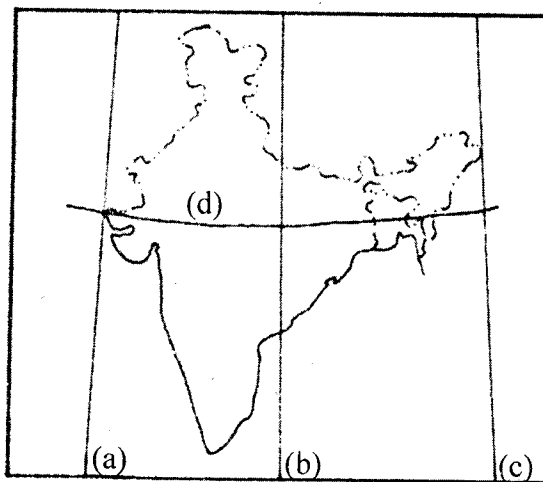
Answer **all** questions.

SECTION A

Question 1

[10 × 2]

- (i) Why is the location of India in the Indian Ocean considered to be significant?
Give *two* reasons.
- (ii) With reference to the extent of India, write the angular values of the points marked as (a), (b), (c) and (d) in the map given below:



This Paper consists of 6 printed pages and a map.

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Turn over

- (iii) Name the *four* Indian geological eras in their chronological order.
- (iv) Briefly explain *any two* factors responsible for the depletion of forests in India.
- (v) Mention *any two* differences between the Bhabar and the Tarai regions.
- (vi) Briefly explain the following terms:
 - (a) Psychological Density
 - (b) Conurbation
- (vii) State *two* problems affecting the fishing industry in Bangladesh.
- (viii) Name *one* mining centre for each of the following:
 - (a) Mica in Andhra Pradesh
 - (b) Iron ore in Odisha.
- (ix) Name the *two* terminals of the East-West corridor.
- (x) What is an agro-based industry? Which is the largest agro-based industry in India?

SECTION B

Question 2

On the outline map of India provided:

- (a) Mark and name the northernmost point of the Indian Union.
- (b) Mark and label the Nilgiri Hills.
- (c) Shade and label the Gulf of Khambat.
- (d) Trace the course and label the river Mahanadi.
- (e) Show with a single arrow and name the wind that brings rain over the coast of Tamil Nadu, during winters.
- (f) Locate with a dot and name the capital city of Rajasthan.
- (g) Mark and name the Nathula Pass.
- (h) Mark and name the oldest oil-field of India.
- (i) Mark with a dot and name the major port of Andhra Pradesh.
- (j) Mark and label the hinterland of Chennai.

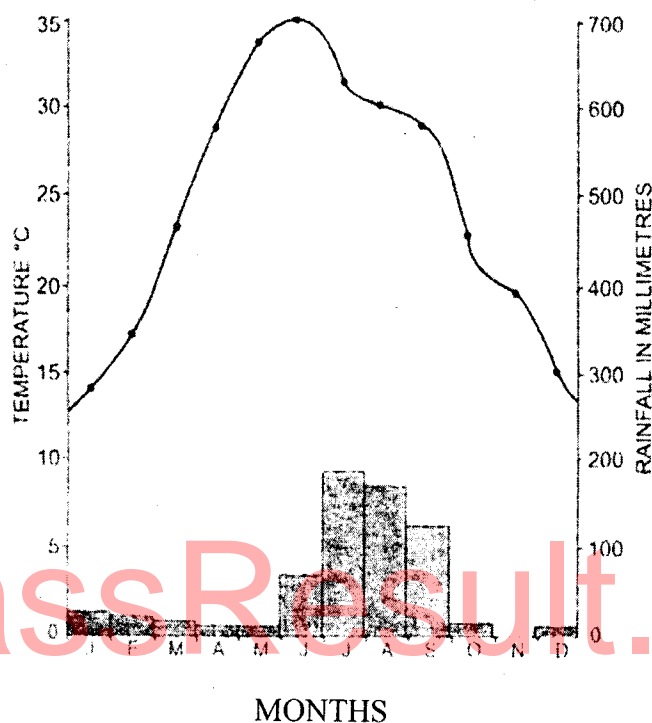
Note: All the map work, including legend (Index) should be done on the map sheet only.

PART II (40 Marks)

Answer any four questions.

Question 3

- (a) Briefly explain the *geological evolution* of the Himalayas. [3]
- (b) Explain giving *any two* reasons why the deltas of the river Mahanadi suffer from occasional floods. [2]
- (c) Study the temperature and rainfall graph of station X given below and answer the questions that follow: [3]



- (i) Is the location of station X inland or coastal?
- (ii) What is the cause of sudden fall of temperature in July, even though it is a summer month?
- (iii) Mention *one* main feature of the climate experienced by the station X.
- (d) What is *Agro-forestry*? Mention *any two* benefits of Agro-forestry. [2]

Question 4

- (a) (i) Define *index of concentration*. [1]
- (ii) How is it useful in the study of population? [1]

- (b) Differentiate between *natural growth of population* and *migratory growth of population*. [2]
- (c) Explain why sex composition is an important demographic attribute of the population in India. [2]
- (d) **Figures A and B** given below show two types of settlement patterns that have developed in India: [2]

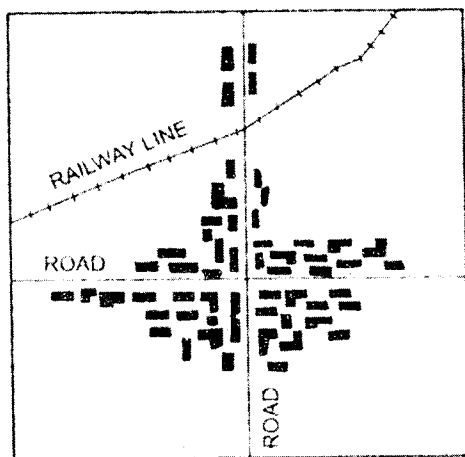


Figure A

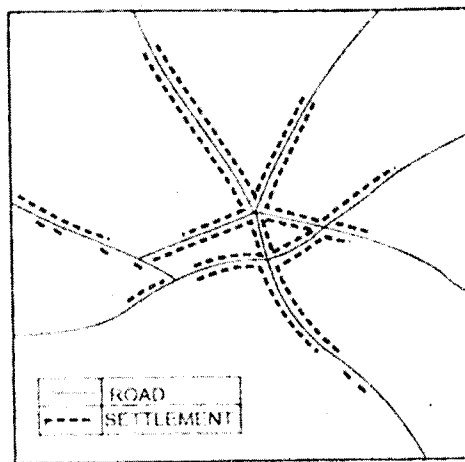


Figure B

- (i) Name the settlement patterns in **Figures A and B**. [1]
- (ii) State *one* characteristic feature of each of the settlement patterns. [1]
- (e) (i) What is *urbanisation*? [1]
- (ii) What are the *two* main components of urbanisation? [1]

Question 5

- (a) Briefly explain *any two* adverse effects of *small and fragmented holdings* on agricultural productivity. [2]
- (b) State *two* ways in which forest area in our country can be increased. [2]
- (c) Mention *three* constraints explaining why *cultivable waste land* is not being used for cultivation at present. [3]
- (d) In which *two* ways are *tube-wells* better than *ordinary wells* as a form of irrigation? [2]

- (e) With reference to canal irrigation, name *one* canal in each of the following states: [1]
- (i) Uttar Pradesh
 - (ii) Punjab

Question 6

- (a) (i) What is *crop rotation*? [3]
- (ii) Mention *two* reasons why crop rotation is necessary in India.
- (b) What is the importance of *animal husbandry* in Indian agriculture? [2]
- (c) Differentiate between *pelagic fish* and *demersal fish*. [2]
- (d) Name the following: [3]
- (i) A geothermal energy plant in Himachal Pradesh.
 - (ii) An offshore oilfield in the country.
 - (iii) The nuclear power station in Tamil Nadu.

Question 7

- (a) Explain *two* factors that affect *inland waterways* in India. [2]
- (b) Give reasons for the following: [3]
- (i) There is a dense network of railways over the North Indian Plains.
 - (ii) Peninsular Plateau has a high proportion of metalled roads.
 - (iii) A good transport network promotes industrial development.
- (c) Mention *one* advantage and *one* disadvantage of air transport. [1]
- (d) Differentiate between *Telecommunication* and *Mass Communication*. [2]
- (e) State *any two* ways in which radio can still be considered as a powerful means of mass communication in remote areas. [2]

Question 8

- (a) Mention *two* reasons for the development of the *Bengaluru – Tamil Nadu Industrial Region*. [2]
- (b) Give *three* reasons to explain the development of *sugar industry* in Maharashtra. [3]
- (c) State *two* advantages that mini steel plants have over large integrated steel plants. [2]
- (d) (i) Define *tourism*. [1]
- (ii) State *any two* advantages of tourism in India. [2]

Question 9

- (a) (i) What is a *Planning Region*? [2]
(ii) Mention *any two* characteristics of a planning region.
- (b) Explain giving *two* reasons why there is a *need for planned development* for a country like India. [2]
- (c) Mention *any two* factors which have influenced the development of the Electronic City of Bengaluru. [2]
- (d) (i) What is *sericulture*? [2]
(ii) Name *two* main districts of Silk production in Chhattisgarh.
- (e) With reference to Haldia port, answer the following: [2]
(i) Where is the port located?
(ii) State the need for the development of this port.

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UNIQUE IDENTIFICATION NO..... INDEX NO.....

(This map must be fastened with all other answers)

MAP FOR Q.No. 2 MAP OF INDIA

