GEOGRAPHY

H.C.G. - Paper – 2

(Two hours)

Answers to this Paper must be written on the answer sheet provided separately.

*You will **not** be allowed to write during the first **15** minutes.*

This time is to be spent in reading the question paper.

The time given at the head of this Paper is the time allowed for writing the answers.

*Attempt **seven** questions in all.*

*Part I is **compulsory**. All questions from **Part I** are to be attempted.*

*A total of **five questions** are to be attempted from **Part II.***

The intended marks for questions or parts of questions are given in brackets [ ].

*To be supplied with this Paper: Survey of India Map Sheet No. **45D/10***

and 20 cm of twine.

Note:

*(i)   In all **Map Work**, make wise use of arrows to avoid overcrowding of the map.*

*(ii)   The extract of **Survey of India Map Sheet No. 45D/10** must not be taken out of the examination hall. It must be handed over to the Supervising Examiner on completion of the paper.*

(iii) The Map given at the end of this question paper must be detached, and after marking, must be fastened to your answer booklet.

*(iv)   **All sub-sections of the questions attempted must be answered in the correct serial order.***

(v)   All working including rough work should be done on the same answer sheet which is used to answer the rest of the paper.

This Paper consists of 8 printed pages and 1 outline map.

PART I (30 Marks)

*Attempt **all** questions from this **Part***

Question 1

Study the extract of the **Survey of India** Map sheet No. **45D/10** and answer the following questions:

(a)	Give the *six figure grid reference* for:	[2]
	(i) The highest point in this map extract.	
	(ii) Surveyed tree north of Rampura Khera.	
(b)	On which bank of Sukli Nadi lies:	[2]
	(i) Butri	
	(ii) Padrugarh	
(c)	Differentiate between the drainage pattern shown in grid square:	[2]
	(i) 0704	
	(ii) 0705	
(d)	The region in this map extract receives seasonal rainfall. Give *two* reasons for your answer.	[2]
(e)	Calculate the distance in km between settlement Bhatana and Makawal along the cart track.	[2]
(f)	State the Compass direction of the following:	[2]
	(i) Dattani from Marol.	
	(ii) Dhavli from Makawal.	
(g)	(i) Mention a social activity of people living in Marol.	[2]
	(ii) What is the main occupation of the people living in this region?	
(h)	What do you understand by:	[2]
	(i) The black broken line in 0807	
	(ii) The vertical black line close to Easting 10	
(i)	What is the main source of water supply to Bhatana? Give a reason for your answer	[2]
(j)	(i) Name one natural feature in the grid square 0905.	[2]
	(ii) Identify one man made feature in the grid square 1003.	

Question 2

On the outline map of India provided:

(a) Draw and name the *Tropic of Cancer.*   [1]

(b) Label the river *Godavari.*   [1]

(c) Mark and name the *Garo Hills.*   [1]

(d) Mark C on the coal fields in *Jharia.*   [1]

(e) Mark with an arrow and name *the NE monsoon* over *the Bay of Bengal.*   [1]

(f) Shade and name the *Gulf of Kutch.*   [1]

(g) Shade and name the *coastal plain* that receives rainfall in *October-November.* [1]

(h) Mark with a dot and name *Delhi.*   [1]

(i) Shade a region with *Black Cotton Soil.*   [1]

(j) Use an arrow to point at a *densely populated state in South India.*   [1]

PART II (50 Marks)

*Attempt **any five** questions from **this Part***

Question 3

(a) Mention the four seasons that prevail in India stating the months for each. [2]

(b) State the *agricultural benefits* derived from: [2]

   (i)   The Westerly Depressions in Punjab.

   (ii) The Kalbaisakhi in Assam.

(c) Give a *reason* for each of the following: [3]

   (i)   Kolkata receives heavier rain than Lucknow.

   (ii) The Summer Monsoon winds blows over the Arabian Sea from the SouthWest.

   (iii) Thar is a desert.

(d)   Study the climatic data given below and answer the questions that follow: [3]

Month	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Temp. °C	12.0	25.5	26.3	27.1	30.0	36.2	36.0	35.9	30.3	28.4	21.0	16.6
Rainfall cm	1.5	0.1	0.0	1.4	1.1	21.0	25.3	27.2	24.0	9.4	1.5	0.4

(i)   What is the annual range temperature of the station?

(ii)   What is the total annual rainfall experienced by the station?

(iii)   Why would it be correct to presume that the station lies in the interior and not on the coast?

Question 4

(a)   Mention two differences between Alluvial Soil and Black Cotton Soil.   [2]

(b)   Name an area in India in which each of the following processes take place: [2]

   (i)   Sheet erosion

   (ii)   Gully erosion

(c)   What is soil conservation? State a method of soil conservation in the: [3]

   (i)   Arid and Semi-Arid region.

   (ii)   river valleys prone to flood.

(d)   Name the soil which: [3]

   (i)   is good for cultivation of sugarcane.

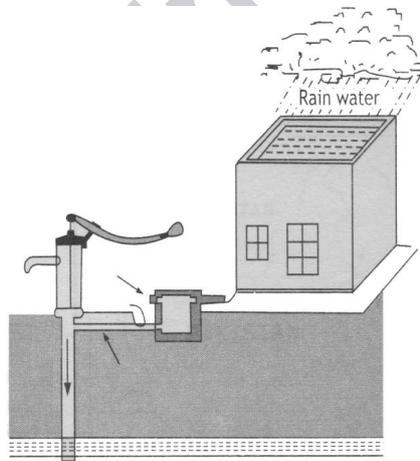   (ii)   is acidic in nature.

   (iii) occurs *exsitu*.

Question 5

(a)   How do trees in the Tropical desert forests adapt themselves to the dry climate?   [2]

(b)   Name the tree as per its characteristics given below: [2]

   (i)   The wood is hard and suitable for ship building.

   (ii)   The stilt roots are underwater during high tide.

(c)   Explain why the forest cover in India is shrinking?   [3]

(d)   Name the natural vegetation found in the following regions: [3]

      (i)   The western slopes of the Western Ghats.

      (ii)   The Nilgiris.

      (iii)   Western Rajasthan.

Question 6

(a)   Give a reason for the significance of irrigation in: [2]

      (i)   Punjab.

      (ii)   Rajasthan.

(b)   Name a state where: [2]

      (i)   Tube wells are common.

      (ii)   Tank irrigation is popular.

(c)   Give one Geographical reason for each of the following: [3]

      (i)   Sprinkler irrigation is practised in arid and semi-arid regions.

      (ii)   A tube well should be installed in a fertile and productive region.

      (iii)   Canal irrigation is more suitable in the Northern Plains.

(d)   Study the diagram below and answer the questions that follow: [3]

      (i)   Name the activity shown in the diagram.

      (ii)   Give two objectives of the activity named in (d) (i).

Question 7

(a)   Give the names of four important types of iron ore found in India.   [2]

(b)   Name the following: [2]

      (i)   An offshore oil field in the Gulf of Cambay.

      (ii)   An oil refinery in Bihar.

(c)   (i)   Name the state that produces the largest amount of limestone.   [3]

      (ii)   State two uses of limestone.

(d)   State an important industrial use of: [3]

      (i)   Manganese

      (ii)   Coal

      (iii) Aluminium

Question 8

(a)   What is Mixed farming? Mention *any one* benefit of Mixed farming.   [2]

(b)   Give the Geographical requirements for the cultivation of Sugarcane.   [2]

(c)   Explain the following terms and name the crop with which each is associated: [3]

      (i)   Retting

      (ii)   Ratooning

      (iii) Ginning

(d)   Give geographical reasons for the following: [3]

      (i)   Regular pruning is essential for tea bushes.

      (ii)   Coffee beans are roasted.

      (iii) Millets are known as dry crops.

Question 9

(a)   Differentiate between Mineral-based Industry and Agro-based industry giving one example for each. [2]

(b)   *'Though Uttar Pradesh has the largest number of sugar mills yet Maharashtra is the largest producer of sugar.'* Give any two reasons to justify the statement. [2]

(c)   Give the *geographic term* for each of the following: [3]

    (i)   Non-mulberry silk produced in Madhya Pradesh.

    (ii) Rejected cane after crushing.

    (iii) The rearing of silk worms to obtain silk.

(d)   With reference to the cotton textile industry answer the following questions: [3]

    (i)   Give two reasons why Mumbai is an important cotton textile industry.

    (ii) Mention two more important centres of cotton textile industry in India.

Question 10

(a)   'The Iron and Steel industry constitutes the backbone of modern industrial economy.' Give two reasons to justify the statement. [2]

(b)   (i)   Name an Iron and Steel Industry set up in Orissa with the help of a famous German firm. [2]

    (ii) From where does the industry named in b (i) get its iron ore and manganese?

(c)   Name a manufacturing centre for each of the following industries: [3]

    (i)   Aircraft

    (ii) HMT

    (iii) Railway coaches

(d)   Name two products each of the following industries: [3]

    (i)   petrochemical industry.

    (ii) heavy engineering industry.
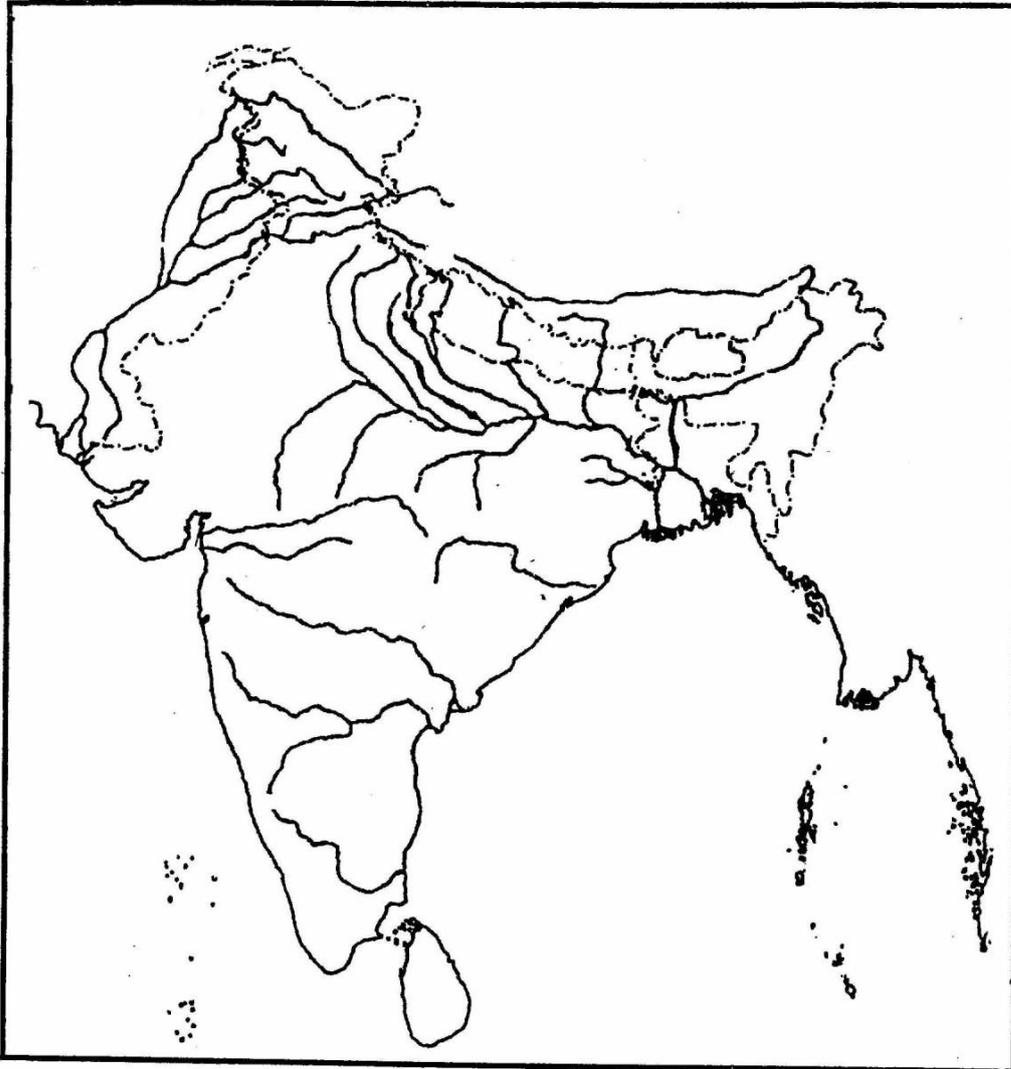
    (iii) electronic industry.

Question 11

(a)   Mention two reasons why more people use railways rather than airways.   [2]

(b)   Why is inland waterways declining in its importance? Give two reasons for
        your answer.   [2]

(c)   What do you mean by the following: [3]

        (i)   Sewage.

        (ii) Eutrophication.

        (iii) Recycling.

(d)   'Methane is an air pollutant that causes Green House effect.' Name three
        sources of this gas.   [3]

Name………..……………………… **Index No.…………………** **UID………………..**

(This map, if used, must be fastened with all other answers)

Map of India for Question 2.

ONLY FOR THE EXAMINER									
a	b	c	d	e	f	g	h	i	j