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/7 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/7 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.



PART I (30 Marks)

Attempt all questions from this Part

Question 1

Study the extract of the Survey of India Map sheet No. 45D/7 and answer the following questions:

Give the six figure grid reference for: [2] (a) (i) Surveyed tree 219 north east of Pirojpura settlement. (ii) Triangulated height 364 in the southern part of the map extract. What is the direction of flow of Banas river? Give one evidence for your [2] (b) answer. What do you understand by: [2] (c) (i) 12r in the grid square 9878 and (ii) 180 in the grid square 9182. Calculate the area in kilometre of the region between 93 and 99 eastings and [2] (d) 76 and 81 northings. (i) What is the compass direction of settlement Juvol from settlement [2] (e) Arnivada? (ii) Give the difference in altitude between the highest point on the map to the altitude of Moti Bhatamal. Name the feature depicted by: [2] (f) (i) Blue line in Balaram nadi (ii) Brown patch in 9678 Name the drainage pattern found in: [2] (g) (i) 9782 (ii) 9478 What do you infer about the climate of the region by the information provided (h) [2] on the map? Give an evidence in support of your answer. Name two man made and two natural features in 9580. [2] (i) What do the following denote: [2] (i) (i) Black vertical line running along with 93 easting

(ii) RS near Chitrasani settlement.

Question 2 On the outline map of India provided: Draw and number the Standard Meridian of India. (a) [1] Label the river Mahanadi. (b) [1](c) Mark and name Lake Chilka. [1] Shade and name the Gulf of Mannar. (d) [1] Mark and name the Vindhya Mountains. (e) [1]Shade and name a sparsely populated region in western India (f) [1]Shade a region with alluvial soil in South India. (g) [1] Mark and name Kolkata. (h) [1]Mark with arrows and name South West Monsoon winds over the Bay of (i) [1]Bengal. (i) Mark and name Mumbai High. [1] PART II (50 Marks) Attempt any five questions from this Part Question 3 What is the name given to the climate of India? Mention any two factors (a) [2] responsible for such a type of climate. (b) Name the following: [2] (i) The winds that bring heavy rain to Cherrapunji The local wind that bring a light rainfall to South India and is good for (ii) tea and coffee crops. (c) Give a geographical reason for each of the following: [3] Kanpur has extreme temperature conditions. (i) Kochi is warmer than Mumbai even though both lie on the western coast of India.

- (iii) The Ganga Plain gets the monsoon rain much later than the west coast of India.
- (d) Study the climatic data of station x given below and answer the questions that [3] follow:

Month	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Temp.	24.5	25.7	27.7	28.4	30.0	32.5	31.0	30.2	29.8	28.0	25.9	24.7
Rainfall cm	4.3	1.6	1.7	2.4	2.8	4.6	8.6	11.4	11.8	30.6	35.0	13.9

- (i) Calculate the total annual rainfall experienced by the station.
- (ii) What is the annual range of temperature?
- (iii) On which coast of India does the station lie? Give a reason for your answer.

Question 4

- (a) What is soil erosion? Mention two steps that could be taken to prevent soil [2] erosion.
- (b) Mention two similarities between red soil and laterite soil. [2]
- (c) Give a geographical reason for each of the following: [3]
 - (i) Alluvial soil differs in texture.
 - (ii) Black soil does not get leached.
 - (iii) Khadar is more fertile than bhangar.
- (d) Define the following:

(i) Sheet erosion

- (ii) Soil conservation
- (iii) In situ soil

Question 5

- (a) (i) Name the forest which is commercially most important in India. [2]
 - (ii) Name two trees which grow in this forest.

[3]

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	(ii) An iron ore mine of Karnataka.					
	(i) An off-shore oil field of India.					
(b)	Name the following:					
	(ii) Which type of coal is mostly used in Iron and Steel Industries?					
(a)	(i) Name any three types of coal found in India.	[2]				
Questi	on 7					
	(ii) Mention two objectives of rain water harvesting.					
(d)	(i) What is rain water harvesting?	[3]				
14.80	recent times.	703				
	(iii) Although expensive, yet, sprinkler irrigation is gaining popularity in					
	(ii) Tank irrigation is an important method of irrigation in Karnataka.					
	(i) The Northern Plain of India is found suitable for canal irrigation.					
(c)	Give one reason for each of the following:	[3]				
	irrigation.					
(b)	Mention two factors which are essential for the development of tube well	[2]				
• •	the statement by giving two reasons.					
Questio (a)	"Without irrigation, development of agriculture is difficult in India." Clarify	[2]				
0						
(d)	Give three reasons for rapid depletion of forest resources in India in the past.					
	(iii) Deodar and Chir Pine.					
	(ii) Rosewood and Ebony.					
	(i) Hintal and Sundari.					
(c)	To which type of forest do the following trees belong?					
	(ii) Why do such forests grow in this region?					
(b)	(i) Name the forests which grow on the wind ward slope of the Western Ghats.	[4]				
(h)	(i) Name the forests which grow on the wind ward slope of the Western	[2]				

(c)	Name the following:					
	(i) Largest coal field of India.					
	(ii) Oldest oil-field of India.					
	(iii) Best variety of iron ore.					
(d)	(i) Name the metal extracted from Bauxite.	[3]				
	(ii) Mention two uses of this metal.					
Questio	on 8					
(a)	Mention any two reasons for the importance of agriculture in India.	[2]				
(b)	With reference to rice cultivation answer the following:	. [2]				
	(i) Why does rice grow well in a soil with a clay like subsoil?					
	(ii) What is the advantage of growing rice in nurseries before it is					
	transplanted?					
(c)	Study the picture given below and answer the questions that follow:	[3]				
	(i) Name one State where this crop grows well.					
	(ii) Why are mostly women employed to harvest it?					
	(iii) Mention two geographical conditions suitable for the cultivation of this					
(d)	Crop.	ro1				
(d)	Explain briefly the following terms:	[3]				
	(i) Shifting cultivation					
	(ii) Bud grafting					
<u> </u>	(iii) Oil cake.	_				
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Questio	on 9					
(a)	Give two reasons for the importance of the jute industry in the Ganga-					
	Brahmaputra delta region.					
(b)	Mention two problems of the Cotton Textile industry in India.					
(c)	(i) Give two reasons why the woollen industry is not a flourishing industry in India.	[3]				
	(ii) Name two centres for this industry.					
(d)	With reference to the silk industry, answer the following:	[3]				
	(i) Why is Karnataka the largest producer of mulberry silk?					
	(ii) Mention two varieties of non-mulberry silk produced in India.					
	(iii) Name one silk weaving centre each in U.P. and in Tamil Nadu.					
Questi	on 10					
	Mention two advantages that a mini steel plant has over an integrated iron and	[2]				
(a)	steel plant.	[2]				
(b)	(i) Name an iron and steel plant which was established with British collaboration.	[2]				
	(ii) From where does it get its supply of:					
	1. iron ore					
	2. manganese					
	3. coal					
(c)	Give a reason for each of the following:	[3]				
	(i) Products made from petrochemicals are growing in popularity.					
	(ii) A heavy engineering industry requires huge capital investment.					

(iii) The electronics industry contributes to the development of the country.

(d)	Name the industrial product for which the following centres are well known:					
	(i) Bhilai					
	(ii) Chittaranjan					
	(iii) Koraput.					
Quest	tion 11					
(a)	Mention two advantages and one disadvantage of waterways.	[3]				
(b)	Roadways are always considered more important than any other means of transportation. Give two reasons in support of the statement.	[2]				
(c)	(i) Mention any two sources of waste.	[2]				
	(ii) What are Biodegradable waste?					
(d)	Explain briefly the meaning of the following terms:					
	(i) Composting.					
	(ii) Incineration.					
	(iii) Segregation.					