


ICSE Class 10 Geography Question Paper 2015

GEOGRAPHY

H.C.G. - Paper – 2

Question 1

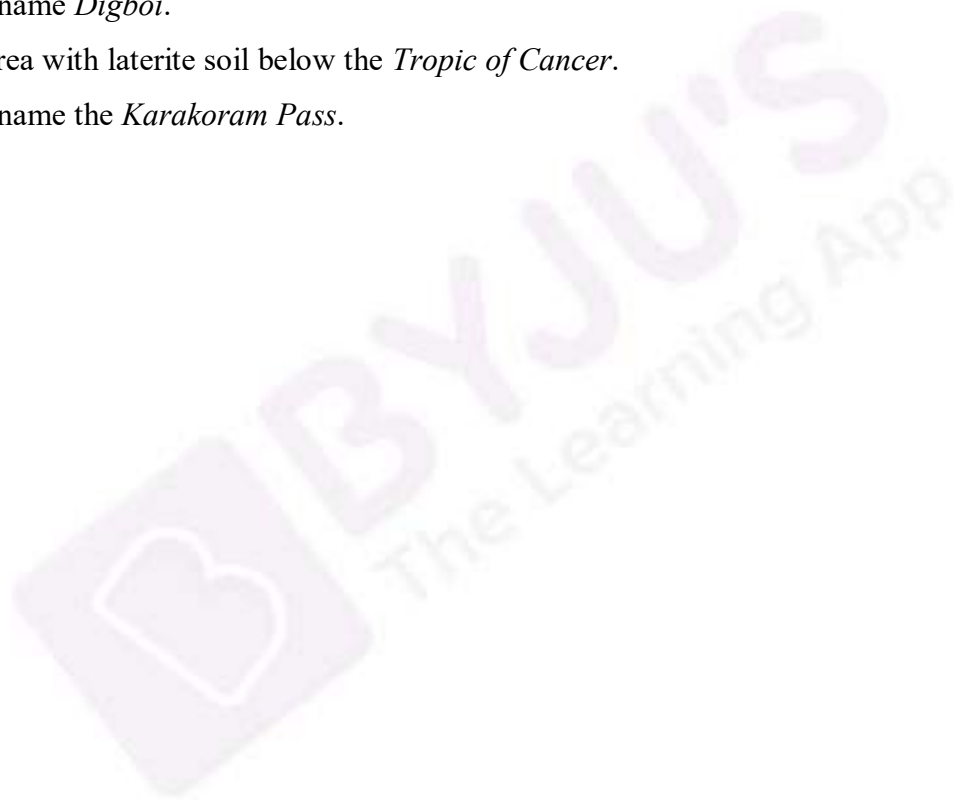
Study the extract of the Survey of India Map sheet No. **45D/10** and answer the following questions:

- (a) Give the four figure grid reference for a figure similar to the one given below. Identify the figure:  [2]
- (b) How is the drainage pattern in grid square 1606 different from that in grid square 1608. [2]
- (c) Identify the correct six figure grid reference for each of the following:
- (i) Gautam Maharishi Mandir
200071; 071200; 201070?
- (ii) .443
172059; 052179; 179052? [2]
- (d) Name the most prominent settlement other than ABU. Give two reasons to support your answer. [2]
- (e) (i) What is the general slope of the land in the north-west corner of the map extract?
(ii) What is the compass direction of Chandela (1803) from Hanumanji ka Mandir (2208)? [2]
- (f) What do you understand by the following terms as used on the map extract?
- (i) Causeway (1702)
(ii) Falls 25m (2307). [2]
- (g) (i) If you were to cycle at 10 km an hour, how much time would it take to cover the north-south distance depicted on this map extract?
(ii) Calculate the area enclosed by Eastings 19 to 22 and Northings 04 to 09. [2]
- (h) (i) Identify one natural feature in grid square 1610
(ii) Identify one man made feature in grid square 1903. [2]
- (i) Give two probable reasons, other than dry water features, to indicate that the region depicted on the map extract receives seasonal rainfall. [2]
- (j) Calculate, in metres, the difference in height between the highest point on the map extract and the contour height given in grid square 2402. [2]

Question 2

On the outline map of India provided:

- (a) Mark and name the *Nilgiris*. [1]
- (b) Shade and label the *Malwa Plateau*. [1]
- (c) Shade and label the *Malabar Coastal Plains*. [1]
- (d) Mark and name the river *Gomti*. [1]
- (e) Shade and name the *Andaman Sea*. [1]
- (f) Mark and name *Allahabad*. [1]
- (g) Mark with a single arrow and name the winds that bring winter rain to north-west India. [1]
- (h) Mark and name *Digboi*. [1]
- (i) Mark an area with laterite soil below the *Tropic of Cancer*. [1]
- (j) Mark and name the *Karakoram Pass*. [1]



Question 3

- (a) Explain *two* factors that affect the climate of India giving a suitable example for each. [2]
- (b) State *two* differences between the rainfalls that occur from June to September and that from December to February in North India. [2]
- (c) Give a geographic reason for each of the following:
- (i) Kerala has the longest rainy season.
 - (ii) The Konkan coast experiences orographic rainfall.
 - (iii) The city of Kanpur in Uttar Pradesh has a higher range of temperature than that of Chennai in Tamil Nadu. [3]
- (d) Study the climatic data given below and answer the questions that follow:

Month	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Temp. °C	21.0	21.9	24.3	27.2	28.0	26.4	26.1	25.4	25.0	26.0	23.8	21.2
Rainfall Cm	5.1	2.8	1.2	1.7	3.9	4.6	8.4	11.4	11.9	31.6	34.5	14.8

- (i) Identify the hottest month.
- (ii) Calculate the annual rainfall.
- (iii) Name the winds that bring the maximum rainfall to this city. [3]

Question 4

- (a) State the characteristic of each of the soils named below that makes them most suitable for crop cultivation:
- (i) Black soil.
 - (ii) Red soil. [2]
- (b) State the geographic term for each of the following processes:
- (i) The process by which soluble minerals dissolve in rain water and percolate to the bottom, leaving the top soil infertile.
 - (ii) The process by which rain water, flowing in definite paths, removes the top soil, thus causing deep cuts to the surface of the land. [2]
- (c) Define the following:
- (i) Pedogenesis.
 - (ii) Humus.
 - (iii) Bhangar. [3]
- (d) Give a geographic reason for each of the following:
- (i) Alluvial soil is extremely fertile.
 - (ii) Need for Soil conservation.
 - (iii) Reafforestation should be practised extensively. [3]

Question 5

- (a) State *two* characteristics of Tropical Deciduous forests. [2]
- (b) State *two* reasons why Tropical Evergreen forests are difficult to exploit. [2]
- (c) Identify the tree as per its characteristics mentioned below:
- (i) It yields wood that is hard and scented and is usually found in high altitudes.
 - (ii) It is generally found in deltaic regions and is used to make boats.
 - (iii) The furniture made from the wood of this tree is generally the most expensive. [3]
- (d) Differentiate between *afforestation* and *deforestation*. State a disadvantage of deforestation. [3]

Question 6

- (a) State *two* reasons why irrigation is important to a country like India. [2]
- (b) Name *two* modern methods of irrigation. State *one* important reason for their growing popularity. [2]
- (c)(i) Why is well irrigation still a popular means of irrigation? Give *two* reasons to support your answer.
- (ii) State the significance of rainwater harvesting. [3]
- (d)(i) Why is the world in danger of facing a severe water shortage in the coming future? Give *two* reasons to support your answer.
- (ii) State *one* measure the Government should adopt to handle the present water crisis. [3]

Question 7

- (a) State *two* reasons why limestone is a valuable mineral. [2]
- (b) State the most important use of the following:
- (i) Iron ore
 - (ii) Bauxite [2]
- (c) Name the:
- (i) Largest oil refinery in the Public sector.
 - (ii) State that is the largest producer of coal
 - (iii) Best variety of iron ore. [3]
- (d) Give a geographic reason for each of the following:
- (i) Many port cities have their own oil refineries.
 - (ii) Petroleum is called a 'fossil fuel'.
 - (iii) Coal is called a versatile mineral. [3]

Question 8

- (a) Differentiate between a *Rabi* crop and a *Kharif* crop. [2]
- (b) State an important difference between the climatic requirements for growing cotton and jute. [2]
- (c) Give the geographic term for each of the following:
- (i) Cultivation of sugarcane from the root stock of the cane which has been cut.
 - (ii) The residue left behind after the crushing of oilseeds.
 - (iii) The process by which latex is converted into a thick, spongy mass by adding acetic acid or formic acid [3]
- (d) Give a geographic reason for each of the following:
- (i) Tea is cultivated on hill slopes.
 - (ii) The yield per hectare of sugarcane is higher in the Southern states.
 - (iii) Pulses are important food crops. [3]

Question 9

- (a)(i) Why is the cotton textile industry called an agro-based industry?
- (ii) Give an important reason for it being more widespread than the jute industry. [2]
- (b)(i) State one important point of similarity between the woollen industry and the silk industry.
- (ii) Name the state that produces the most woollen and silk products respectively. [2]
- (c)(i) State *two* major problems faced by the sugar industry.
- (ii) Name *two* by-products of the sugar industry. [3]
- (d)(i) State *one* of the main problems of the silk industry.
- (ii) Name *two* products of the jute industry, other than rope and gunny bags.
- (iii) Why are synthetic fibres popular? [3]

Question 10

- (a) (i) Why is the iron and steel industry called a basic industry?
(ii) Define a mini steel plant. [2]
- (b) With which large scale industry would you identify the following manufacturing centres?
(i) Kanpur
(ii) Rourkela
(iii) Pune
(iv) Mangalore. [2]
- (c) (i) State *two* reasons for the growing importance in the status of petrochemical industries.
(ii) Name *two* products of the petroleum industry. [3]
- (d) (i) State *two* conditions necessary for the setting up of a heavy engineering industry.
(ii) Name a ship building yard on the east coast and a centre for making electric locomotives. [3]

Question 11

- (a) (i) Why is the Railways an important means of transport as compared to Airways?
(ii) State *one* economic benefit of the Golden Quadrilateral Project. [2]
- (b) (i) State *one* important difference between an expressway and a highway.
(ii) Name the first expressway constructed in the country.
(iii) State a reason why the Northern Rivers are more suitable for navigation than the Deccan Rivers. [3]
- (c) (i) 'Waste segregation is important'. Give a reason to support your answer.
(ii) Why is nuclear waste harmful?
(iii) Explain briefly how as a student, you can help in the reduction of waste generation. [3]
- (d) (i) What is understood by biodegradable waste?
(ii) State *one* source of gaseous waste. [2]