

KAPOL VIDYANIDHI INTERNATIONAL SCHOOL(ICSE)
TEMPLE OF KNOWLEDGE

Date: 19/12/2020 STD X	FIREST PRELIMINARY EXAMINATION <u>GEOGRAPHY</u>	MKS 80 DUR: 2 hrs
<p><i>Answers to this paper must be written on the paper 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 all questions in Part I and from Part II any five questions.</i></p>		
	<u>PART I</u> <u>ATTEMPT ALL QUESTIONS</u>	
	<p><u>Question 1</u></p> <p>Study the extract of the Survey of India Map sheet No. 45 D/7 with Eastings 11 to 21, Northings 13 to 23 and answer the following questions: (Year 2012)</p>	20
(a)	<p>Give four-figure grid reference for the following:</p> <p>i) Settlement Gulabganj ii) Confluence of Dior Nadi and Sipu Nadi. iii) Spot height 268. iv) PWD.</p>	2
(b)	Give the compass direction of Dabani and Gulabganj from Malgaon(1520).	2
(c)	Name the places where people meet atleast once in a year. Give reasons for your answer.	2
(d)	Which is the most advanced settlement in the given map extract? Give any three reasons.	2
e)	<p>i) Calculate the direct distance between Anadra and distance stone 20. Express the answer in metres.</p> <p>ii) Name any two irrigation facilities seen in the given map.</p>	2
f)	What is the direction of Sipu nadi? Give any one right and one left bank tributary of this river.	2
g)	In what way is the drainage pattern in 1119 different from 2013? Give reason to support your answer.	2
h)	<p>i) Give any two map evidence to prove that the region receives seasonal rainfall.</p> <p>ii) Identify the contour feature seen in grid 2014 and 2013.</p>	2
i)	<p>Identify the following:</p> <p>1) 20r in grid 1622. 2) Black vertical line seen between 18 and 19 Eastings. 3) 280 in grid 1718. 4) 271 in grid 1613.</p>	2
j)	<p>i) What is the verbal scale of the given map?</p> <p>ii) What is the contour interval of the given map?</p>	1 1

Question 2**Mark the following in the given Map of India**

- Mark and label the standard meridian of India.
- Mark and label the coal field
- Mark and label Karakoram Pass.
- Shade a state which is sparsely populated in North East.
- Mark and label the river Mahanadi.
- Shade and label the Chhotanagpur Plateau.
- Mark and label winds that bring rainfall to Mangalore.
- Shade and label the Thar desert.
- Mark and label Vindhya.
- Shade and label Nilgiris.

10**PART II****ATTEMPT ANY 5 QUESTIONS****Question 3**

- (a) What are South West Monsoon winds? How do they enter our country? 2
- (b) Give reasons for the following: 3
- Northern plains of India do not freeze in winter.
 - Kochi receives more rainfall than Patna.
 - Rabi crop like wheat grow well in Punjab and Haryana.

- (c) Explain the economic benefit of Kalbhaisaki and Mango shower. 2
- (d) Study the table and answer the questions that follows: 3

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temp	22	23.2	26.4	29.3	33.1	32.9	30.8	28.8	27.9	26.3	24.1	22.8
Rainfall	18.1	10.1	3.5	1.6	1.8	2.6	3.6	4.5	6.5	21.9	22.1	23.2

- Calculate the annual range of temperature of station?
- What is the amount of annual rainfall received by the station?
- State whether the above station has equable climate or continental climate. Support your answer with relevant reasons.

Question 4

- (a) With reference to Laterite soil answer the following: 3
- What is leaching?
 - Give one advantage and one disadvantage of this soil.
 - Name any two regions where they are found.
- (b) Explain the term: i) Pedogenesis ii) Alluvium 2
- (c) Give any three characteristics of Black soil? (any three points) 3
- (d) Explain the adverse effect of soil erosion. (any four points) 2

Question 5

- (a) Why is forest considered important for mankind? (any two points) 2
- (b) Give geographical reasons: 3
- Tropical evergreen forests have not been fully exploited.

- ii) Vegetation varies from tropical to temperate forests in Peninsular regions.
 - iii) Lack of forest cover causes droughts.
- (c) With reference to Tropical Desert forests answer the following: 3
- i) Give the climatic conditions needed for this forest.
 - ii) Any two characteristic features of this forest.
 - iii) Any two region where this forest is found.
- (d) Explain any two conservation practices to be undertaken to arrest deforestation. 2

Question 6

- (a) With reference to tube wells answer the following: 3
- i) Give any two advantages of it.
 - ii) Give any two disadvantages of it.
 - iii) What are the ideal conditions needed for drilling tube wells?
- (b) Name the following: 2
- i) A canal in Haryana.
 - ii) Another name for inclined plane method.
 - iii) The most advanced modern method of irrigation.
 - iv) Water storing mechanisms found in Ladakh.
- (c) Explain any two advantages of canal irrigation. 2
- (d) Explain any three recharging groundwater aquifers. 3

Question 7

- (a) Explain any three variety of iron ore. 3
- (b) Why is coal considered to be a versatile mineral? (give any two points) 2
- (c) Name the following: 2
- i) A nuclear power plant in Tamil Nadu.
 - ii) The largest lignite coal deposit in South India.
 - iii) Refinery built in collaboration with Russia and Romania.
 - iv) A place where Bauxite is found in Goa.
- (d) Give reasons for the following: 3
- i) Tertiary coal is not preferred much in India.
 - ii) Manganese is used in iron and steel industry.
 - iii) India is one of the best country to harness solar energy.

Question 8

- (a) Give the geographical conditions needed for the cultivation of wheat. 2
- (b) What is sett method? How is it different from ratooning method? 2
- (c) Give reasons for the following: 3
- i) Pulses are usually rotated with other crops.
 - ii) Cover crops are seen in coffee plantation.
 - iii) Frost is considered to be fatal for cotton plant.
- (d) Identify the following picture and answer the questions: 3



- i) What are the climatic conditions required for cultivation of this crop?
- ii) Name any two variety of this crop.
- iii) Name any two states where it is widely grown.

Question 9

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| (a) | Give geographical reasons for the following. | 3 |
| | <ol style="list-style-type: none"> i) The Mumbai-Pune belt has a heavy concentration of cotton textile. ii) Sugar industry has the tendency to migrate to south. iii) Petrochemical products have gained popularity in recent times. | |
| (b) | State any three problems faced by the cotton textile industry. | 3 |
| (c) | Explain the remarkable achievement of our country in the field of space technology. | 2 |
| (d) | From where does Tata Iron and Steel company gets its raw materials and power supply? | 2 |

Question 10

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|-----|---|---|
| (a) | In what way are the inland waterways different from oceanic waterways? (any two points) | 2 |
| (b) | Give geographical reasons for the following: <ol style="list-style-type: none"> i) Peninsula rivers are not ideal for navigation. ii) Air transport is considered to be important in India. iii) Railways binds the economic and cultural life of the country. | 3 |
| (c) | What is PHHL? State any two advantages of it? | 2 |
| (d) | Give any three economic benefit of the Golden Quadrilateral Projects | 3 |

Question 11

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| (a) | <ol style="list-style-type: none"> i) What is eutrophication? State its effect on marine animal. ii) Give any two effects of global warming. | 2
1 |
| (b) | In what way does composting proves beneficial? (any four points) | 2 |
| (c) | What are the methods that can be adopted for reducing waste under the 3R programme? | 3 |
| (d) | Give any four effects of acid rain. | 2 |