

Bombay Scottish School, Mahim
PRELIMINARY EXAMINATION
GEOGRAPHY

Std	: 10	Max. Marks	: 80
Date	: 17.01.2019	No. of Questions	: 11
Duration	: 2 hrs	No. of Printed sides	: 09

[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 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. 45 D/10 and 20 cm of twine.

Note:

- (i) In all Map Work, make wise use of arrows to indicate positions of countries, cities and other insertions, to avoid overcrowding parts of the map.
- (ii) The extract of Survey of India Map Sheet No. 45 D/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 fastened to your answer booklet.
- (iv) All sub-sections of each question must be answered in the correct serial order.
- (v) All working, including rough work, should be done on the same answer sheet as the rest of the answer.

PART I (30 Marks)

Attempt all questions from this Part

Question 1

Study the extract of the Survey map of India sheet No.45 D/10 and answer the following questions: (20 marks)

Choose the correct options for each of the following, six figure grid reference:

- (a) The temple North West of Devangan. (1)
- (i) 184118
 - (ii) 174117
 - (iii) 188112
 - (iv) 194120
- (b) The spot height .590 near Patlowa Goliya (1)
- (i) 184678
 - (ii) 176077
 - (iii) 171087
 - (iv) 186077
- (c) What is the compass direction of the following: (2)
- (i) Sunset point (2110) from Nakhi Talao (2211)
 - (ii) Raj Bhawan (2311) from Sunset point (2110).
- (d) (i) State the main source of water supply for the township of Abu. Give a reason for your answer. (2)
- (ii) How is the drainage pattern in grid square 2307 different to that in grid square 1708? (2)
- (e) By what modes of transport will a tourist travel from Abu to reach Hanumanji ka Mandir and Gautam Maharishi Temple? (2)
- (f) (i) State the significance of the black dotted line in grid square 2409. (2)
- (ii) How is it beneficial to the township of Abu? (2)
- (g) State two reasons why tourists would visit Vashisht Ashram? (2)
- (h) How is 7r in grid 1509 different from 6r in grid 1903? (2)
- (i) Mention two different kinds of vegetation found in the map extract and state the four figure grid reference of each. (2)
- (j) State the significance of the black vertical and black horizontal lines on the map extract. (2)
- (k) How many kms will you have to travel to get from St. Mary's School to Sunset point along the metalled road? (2)

Question 2

On the outline map of India provided mark and label the following:

(10)

- (a) The winds that bring rainfall to the city of Amritsar during December and January. (1)
- (b) The river also known as the 'Sorrow of Assam'. (1)
- (c) The Thar desert. (1)
- (d) A freshwater lake in the north of India. (1)
- (e) The Karakoram range. (1)
- (f) Mt Kanchenjunga. (1)
- (g) The coast that is the first to receive monsoon rainfall. (1)
- (h) The region in the north east with laterite soil. (1)
- (i) The largest coalfield in India. (1)
- (j) The city of joy. (1)

Part 2 (50 marks)

Attempt only five questions from this Part.

Question 3

(10)

- (a) Choose the correct option to complete each sentence: (2)
 - (i) The two months associated with the Retreating Monsoons are...
 - June and July
 - September and October
 - October and November
 - December and January
 - (ii) The North East Monsoon winds bring maximum rainfall to
 - Bangalore
 - Kochi
 - Hyderabad
 - Chennai.
- (b) (i) Name two states that are affected by the 'Kalbaisakhi'.
(ii) How do 'Mango showers' influence the state of Karnataka? (2)
- (c) Give a geographical reason for each of the following: (3)
 - (i) Fishermen are advised not to venture into the Bay of Bengal during the month of October.
 - (ii) Central Maharashtra gets less rainfall than coastal Maharashtra.
 - (iii) Even in summer, Shimla is cooler than Delhi.

(d) Study the climatic data given below of a city in India and answer the following questions that follow:

(3)

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temperature in degree C	13.7	16.2	21.6	25.5	33.2	32.5	30.8	29.8	29.2	25.5	19.6	15.2
Rainfall in cms	2.5	2.0	1.5	0.9	1.5	7.5	17.8	18.5	12.5	1.0	0.2	1.5

- (i) Calculate the annual range of temperature.
- (ii) Which are the hottest and the driest months in the city?
- (iii) Calculate the annual rainfall. Name the winds that bring maximum rainfall to the city.

Question 4

(10)

(a) Choose the correct option to complete each sentence:

(2)

(i) The soil formed due to leaching in areas of heavy rainfall ...

- Mountain soil
- Alluvial soil
- Desert soil
- Laterite soil.

(ii) The soil also known as 'ex-situ' soil

- Black soil
- Alluvial soil
- Laterite soil
- Red soil.

(b) (i) State an important characteristic of black soil that other soils lack.

(2)

(ii) State why the alluvial soil in the lower Ganga plains is very fertile.

(c) Give a geographical reason for each of the following:

(3)

- (i) Red soils require irrigation for cultivation.
- (ii) Laterite soils are not suitable for cultivation.
- (iii) Soils in Rajasthan are prone to soil erosion.

(d) (i) State one measure taken in the northeast to control shifting agriculture?

(1)

(ii) Explain two human activities that cause soil erosion.

(2)

Question 5

(10)

(a) Choose the correct option to complete each sentence:

(2)

(i) This hardwood tree that is used to manufacture railway sleepers

- Palas
- Neem
- Sundari
- Teak.

(ii) The fruit of this tree is rich in Vitamin C

- Sundari.
- Ber
- Sandalwood.
- Deodar.

(b) With reference to the trees found in regions with 150 to 200 cms of rainfall, answer the following questions:

(2)

- Name the type of forest found here.
- State an important characteristic of this forest.

(c) Answer the following:

(3)

- State one characteristic of Littoral forests.
- Why is it difficult to exploit tropical evergreen forests for commercial purpose?
- The wood of which tree is most suitable for making musical instruments.

(d) Give a geographical reason for each of the following:

(3)

- Conservation of forests is of vital importance.
- Trees are planted around iron and steel plants.
- The Chipko movement should be replicated.

Question 6

(10)

(a) Choose the correct option to complete each sentence:

(2)

(i) One disadvantage of well irrigation is that

- Wells are costly to dig
- The water has to be lifted from great depths
- Wells depend on underground water resource whose distribution varies from region to region
- Cheap electricity is needed to pump water from wells.

(ii) An example of a modern method of irrigation is

- Wells
- Sprinklers
- Borewells
- Tanks

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Shop No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
Thakur Village

- (b) Name the following irrigation methods:
- (i) A partly submerged vertical wheel, with buckets attached to it, and turned by an animal.
 - (ii) These are excavated, lined with a brick or stone wall with openings at regular intervals.
- (c) With reference to canal irrigation, answer the following question :
- (i) Why is it mainly confined to the alluvial plains?
 - (ii) Name an important state in north India where canal irrigation is practised.
 - (iii) State an advantage and a disadvantage of canal irrigation.
- (d) Give a geographical reason for each of the following:
- (i) Tank irrigation is not an efficient means of irrigation.
 - (ii) Drip irrigation helps to conserve water.
 - (iii) Conservation of water has become the need of the hour.

Question 7

- (a) Choose the correct option to complete each sentence:

(i) The oldest oilfield in India is

- Raniganj
- Jharia
- Digboi
- Mumbai High

(ii) The best variety of iron ore is

- Haematite
- Limonite
- Magnetite
- Anthracite

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 Mumbai - 400 101.
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- (b) Answer the following questions:

- (i) Name a non-ferrous metal and state an important use of it in industries.
- (ii) What is the most important use of manganese?

- (c) Give a geographical reason for each of the following:

- (i) The location of coalfields is an important factor in industrial development.
- (ii) Bituminous coal is used in the iron and steel industry.
- (iii) Oil refineries are located close to ports.

- (d) With regard to multipurpose projects, answer the following questions:

- (i) Name the river on which the Bhakra Nangal project is located.
- (ii) Name two beneficiary states of this project?
- (iii) State two important purposes of this project.

Question 8

(10)

(a) Choose the correct option to complete each sentence:

(1)

(i) The main kharif crops grown in India are

- Rice and Jute
- Wheat and barley
- Maize and pulses
- Oilseeds and Sugarcane

(ii) The process of soaking Jute stalks in water to facilitate the removal of its fibres is

- Retting
- Ginning
- Retting
- Winnowing

(b) With which crops are the following associated? Name the largest producing state of each crop.

(3)

(i) Japanese method

(ii) Runner type

(iii) Set method

(c) With reference to tea cultivation answer the following questions:

(3)

(i) State two important climatic conditions required for tea.

(ii) Why is tea picking generally done by women?

(iii) Why is pruning required at regular intervals?

(d) Give a geographical reason for each of the following:

(3)

(i) Millets are referred to as dry crops.

(ii) Zaid crops are exclusively irrigated crops

(iii) Orange trees are grown on coffee plantations.

Question 9

(10)

(a) Choose the correct option to complete each sentence:

(2)

(i) The state of Assam has the world monopoly in this variety of silk.

- Mulberry
- Muga
- Cocoon
- Seri

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(ii) This by-product is used to manufacture industrial alcohol.

- Bagasse
- Pressmud
- Molasses
- Oilcake

- (b) Name the following: (2)
- (i) The type of industry run by household members.
 - (ii) The industry owned and managed by the state or the central government.
 - (iii) The oldest steel plant in India.
 - (iv) The IT capital of India.
- (c) Give a geographical reason for each the following: (3)
- (i) The electronic industry is proving to be an asset for our country.
 - (ii) The cotton textile industry is losing its importance.
 - (iii) State an advantage of a mini steel plant over an integrated steel plant.
- (d) With reference to the Rourkela Steel Plant answer the following: (3)
- (i) Which foreign country collaborated to set it up?
 - (ii) Where does the plant get its iron ore, limestone and water supply from?

Question 10 (10)

- (a) Choose the correct option to complete each sentence: (2)
- (i) The railway line that connects Mumbai in Maharashtra to Mangalore in Karnataka.
 - Western Railway
 - North eastern railway
 - Konkan railway
 - Southern railways
 - (ii) The riverine port located on the banks of the Hooghly.
 - Kochi
 - Mumbai
 - Chennai
 - Kolkata
- (b) Answer the following: (2)
- (i) State one important function of the Border Road Organisation.
 - (ii) In which two situations can helicopter services be used that other modes of transport are ineffective.
- (c) (i) Name the tidal port on the western coast which is also a free trade zone area. (1)
- (ii) Why is it easier to set railway lines in the northern plains than in peninsula region? (2)

- Give a geographical reason each of the following:
- (i) Water transport is not preferred mode of travel in the peninsula India. (3)
- (ii) Although air transport is expensive, yet it is a favoured means of transportation.
- (iii) The Golden Quadrilateral has economic benefits for the country.

Question 11

Choose the correct option to complete each sentence:

(i) The waste dumped daily at a site and covered with earth to prevent insects and rodents from getting to it.

- Composting
- Sanitary Landfills
- Segregation
- Dumping

(ii) The increasing concentration of various toxic substances along the food chain.

- Segregation
- Composting
- Biomagnification
- Eutrophication

(b) Suggest two ways by which vehicular emissions can be controlled. (2)

(c) Answer the following: (3)

- (i) State two sources of E-waste.
- (ii) How is composting advantageous to us?
- (iii) Why is waste segregation the first step to waste management?

(d) Give a geographical reasons for each of the following: (3)

- (i) We must avoid using polythene carry bags.
- (ii) Increased use of organic manure instead of chemical fertilizers is necessary.
- (iii) Use of public transport is gaining importance.