

GREENLAWNS HIGH SCHOOL
PRELIMINARY EXAMINATION YEAR 2020

SUBJECT : GEOGRAPHY

CLASS : X

TIME : 2 HOURS

MARKS : 80

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 [].

PART I (30 MARKS)

Attempt all questions from this Part.

- I 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 the settlement of Bhatana. (1)
- b) Give the six figure grid reference of a temple north east of the settlement of Butri. (1)
- c) Distinguish between the drainage pattern in grid 0803 and 0708. (1)
- d) i) In which direction does Mitani lie from Nimbora. (2)
ii) In which direction is the Sukli Nadi flowing?
- e) Mention two natural and two man-made features in grid 1110. (2)
- f) What do the following mean - (6)
- i) Black line between northing 09 and 10.
- ii) Open Scrub in 0806.
- iii) Motorable in dry season.
- iv) LY in 0102
- v) Black hyphenated lines in 0807
- vi) 3 r in 0807
- g) Account for the following:- (2)
- i) There is a causeway only in the eastern part of the map extract.
- ii) No settlements in 0702.
- h) What is the area between eastings 05 to 08 and northing 02 to 06? (1)
- i) Mention two occupations practiced in the map extract. (1)
- j) On which bank of Sipu nadi does Karaunti lie. Give a reason for your answer. (1)
- k) What is R.F? What does it mean? What is the RF of this map? (2)
- Q.II On the outline map of India provided: (10)
- a) Draw & label the IST.
- b) Shade & label an area of red soil in South India.
- c) Mark & label the Wular Lake & Lake Chilka.
- d) Shade & label rivers Brahmaputra & Mahanadi.

- e) Mark & label the cities: Delhi and Kochi.
- f) Mark & name the North Sircar.
- g) Mark & label the Vindhya.
- h) Mark & name winds that bring rain to Punjab in winter.
- i) Dot and name an off shore oil field.
- j) Shade & label an area in North India which is sparsely populated.

PART II

Attempt any FIVE Questions from this part.

Q.III

- a) Explain the following terms. (2)
 - i) Jet Streams
 - ii) Rain Shadow area.
- b) Mention the four seasons that prevail in India stating the months for each. (2)
- c) Give geographical reasons: (3)
 - i) Though Mangalore and Mysore are on the same latitude, Mangalore experiences more rainfall than Mysore.
 - ii) The latitudinal extent of India is responsible for the variation in the climatic conditions which prevail in the country.
 - iii) The Arabian Sea Branch of the South-West Monsoon does not shed any moisture in Western Rajasthan.
- d) Study the climatic data of station 'A' given below and answer the questions that follow: (3)

Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
Temperature in 0 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 in 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 of temperature.
- ii) What is the total annual rainfall experience by the station.
- iii) Where do you think the station lies in India? Give a reason for your answer.

Q.IV

- a) Name the transported soil most widely found in India? What is it also known as? Why? What is it deficient in? (2)
- b) Give reasons for:
 - i) Different regions in India have different kinds of soil. (2)
 - ii) Soil erosion by wind is common in arid regions.
- c) Mention three similarities between red soil and laterite soil. (3)
- d) How is black soil formed? Name two states in India where it is found. Name some important crops that grow well in this soil. (3)

Q.VIII

- a) Mention two ways in which Agriculture plays a significant role in the Indian economy. (2)
- b) What is mixed farming? Mention two advantages of mixed farming. (2)
- c) Mention three differences in the geographical conditions and cultivation of rice and wheat. (3)
- d) Give geographical reasons: (3)
 - i) Oil cake is a useful residue.
 - ii) Sugar mills are located near sugarcane fields.
 - iii) Jute has to be retted.

Q.IX

- a) Name two by-products of the sugar industry. Give one important use of each. (2)
- b) Mention two reasons for the development of the petro-chemical industry in India. (2)
- c) State three main problems faced by the cotton textile industry in India. (3)
- d) Name one integrated iron and steel plant in the private sector. Where does it obtain its iron and coal from? (3)

Q.X

- a) What are National Highways? Which is the longest National Highway in India? (2)
- b) Name the cities and states which connect the East-west Corridor. (2)
- c) Name the following: (3)
 - i) The first expressway constructed in the country.
 - ii) An important inland waterway of North-East India.
 - iii) A natural harbour and the biggest port of India.
- d) State three reasons why road transport is more popular than other means of transport. (3)

Q.XI

- a) How does waste accumulation affect the environment? (2)
- b) What is acid rain? Mention any one of its effect. (2)
- c) Explain briefly the meaning of the following terms: (3)
 - i) Composting
 - ii) Segregation
 - iii) Dumping
- d) i) What is recycling? How can waste paper be reused? Explain with the help of an example. (2)
- ii) How can you as a student help in the reduction of waste generation? (1)