GREENLAWNS HIGH SCHOOL
PRELIMINARY EXAMINATION YEAR 2017-2018

SUBJECT : GEOGRAPHY   CLASS : X
TIME   : 2 HRS   MARKS : 80

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** to be attempted. A total of **five** questions 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.

Question 1. Study the extract of the Survey of India. Map Sheet No 45D/10 and
answer the following questions:-

i.   a.   Give the six figure grid reference for a prominent surveyed tree.   [½]

      b.   What does 3r in 0422 indicate?   [½]

ii.   a.   What is the shortest distance, in kms and mts, between the seasonal tank closest to Malawa and the solitary permanent hut at DhadTalao. Show your working.   [1]

      b.   What is the compass direction of Dantrai from Dangroli?   [½]

iii. a.   What does each of the two prominent brown conventional signs, in grid square 0126, stand for?   [1]

      b.   State in what way are the two conventional signs mentioned different from each other.   [1]

iv.   State, giving a reason, what the difference in the course of the seasonal feature in 0825 and the course of Dior Nadi in 1024 is?   [1]

v.   Considering the terrain, why would it be easier and quicker for one to travel from Idarla to Bhamra than from Bhamra to Idarla?   [1]

vi.   a.   Give 2 proofs which suggest that the mapped area receives scanty rainfall.   [1]

      b.   Despite the obvious sign of aridity indicated on the map, what is the reason for agriculture being the main occupation of the people throughout the year?   [½]

vii.   What is the difference in the pattern of settlements in 0725 and 0819?   [1]

viii.   Give 2 items of evidence the map provides to indicate that the area is

       exposed to weathering.   [2]

ix.   Draw the conventional symbols for

    a. An unmetalled road

    b. A tube well.   [2]

x.   a.   What do the black dots in SukliNadi, indicate?   [½]

    b.   From where does SukliNadi gets its supply of water?   [½]

xi.   Mention: [4]

    a. Two manmade features in 0727
    b. Two natural features in 0527
    c. The main mode of transport from Idarla to Dhann
    d. Two civic amenities in Dantrai

xii.   Explain what the following mean: [2]

    a. LY in 0127
    b. The black vertical line between eastings 09 and 10

Question 2

On the outline map of India –

i.   Colour in blue and name the Rivers Son and Kaveri   [1]

ii.   Shade in blue and name the Gulf of Kutch and the Andaman Sea   [1]

iii.   Mark in brown and name the Aravalli mountains and Mount Godwin-Austin [2]

iv.   Shade in green and name the Kanara coast   [½]

v.   Mark a region in South India with laterite soil   [½]

vi.   Mark with a dot and name Vishakhapatnam and Delhi   [2]

vii.   Mark and name the Wular Lake and the Nathu-La Pass   [2]

viii.   Mark and name the winds which bring rain to northern India in winter   [1]

Part II (50 Marks) Attempt an five questions from this part.

Question 3

    i.   How do the following affect the climate of India?   [2]
        a. The Himalayas
        b. The direction of the winds

ii. Name   [2]
  a. A region with more than 300cm of rain
  b. A region which gets winter rain from monsoon winds

iii. Give reasons for the following: [3]
  a. Mumbai is not as hot as Delhi is in summer
  b. Thar gets almost no rain from either of the monsoon winds
  c. The mango showers are beneficial showers

iv. Study the climatic data of a station in India given below and answer the
     questions that follow: [3]

	J	F	M	A	M	J	J	A	S	O	N	D
°C	23.5	24.7	26.7	19.4	29.0	31.5	30.0	29.2	28.8	27.0	24.9	23.7
cm	0.1	0.2	0.1	0.7	0.9	49.2	60.0	36.0	26.0	3.8	0.4	0.2

  a. Does the station have a maritime or a continental climate? Give a
     reason for your answer.
  b. Calculate the annual rainfall.
  c. Name the winds that this station gets most of its rainfall from.

Question 4.

i.   What is the difference between the following?   [2]
  a. The alluvial soils found in the upper course and the lower course of a
     river
  b. The formation of black soil and the formation of red soil

ii. Name   [2]
  a. The soil known for its self-ploughing quality and its capacity to hold
     moisture
  b. Two crops that grow well in laterite soil.

iii. Give reasons for: [3]
  a. Deforestation leads to soil erosion
  b. Red soil is ideal for dry farming
  c. Jute grows well in the soil of the delta region of the Ganga

iv. How can the following steps help in the conservation of soil?   [3]
  a. Terrace farming
  b. Shelter belts or wind breakers
  c. Plugging gullies

Question 5

    i.   Mention any two benefits of forests.   [2]

    ii.   Identify the following trees from the statements given below: [2]

           a. This tree grows aerial roots
           b. This tree is immune to white ants and iron nails do not rust in the wood of this tree
           c. The bark of this tree has medicinal properties and grows well in arid regions
           d. The wood of this tree is heavy and very expensive and it grows well in regions with very heavy rainfall

    iii.   Give geographical reasons for the following: [3]
           a. Trees in thorn forests have small leaves and long roots
           b. Trees in the mangrove forests have stilt like roots
           c. India has a huge diversity in its flora and fauna

    iv.   Mention any two characteristics of the trees typical of the monsoon deciduous forests. Name any two trees found in these forests.   [3]

Question 6.

    i.   Name any two methods of modern irrigation. State one important reason for their growing popularity.   [2]

    ii.   The development of agriculture would be difficult without irrigation. Give two reasons to support this statement.   [2]

    iii.   Give geographical reasons for the following: [3]

           a. Inundation canals are being converted to perennial canals
           b. Rainwater harvesting is being encouraged by the Government
           c. Wells are the main source of irrigation in North India.

    iv.   Name: [3]
           a. The longest canal of the Bhakra-Nangal Project
           b. The State which benefits from the Hirakud Multi-Purpose Project
           c. Two States where tank irrigation is prevalent.

Question 7

i.   Give two uses of each of the following minerals: [2]
     a. Manganese
     b. Coal

ii.   Name: [2]
     a. An off-shore oil field
     b. The oldest coal field in India
     c. A State with large deposits of iron and the largest deposits of coal
     d. The mineral associated with Durg

iii.   Give geographical reasons for: [3]
     a. Biogas is an ideal domestic fuel
     b. Mineral oil is often referred to as "liquid gold"
     c. Oil refineries are located either close to oil field or in port cities.

iv.   Name: [3]
     a. Any two varieties of iron
     b. The mineral which is converted to aluminium
     c. The water body which provides ideal conditions for utilising tidal energy

Question 8

i.   Mention two reasons for the poor yield of agricultural crops in India.   [2]

ii.   Mention two differences between the following: [2]
     a. Extensive farming and intensive farming.
     b. Kharif and Rabi crops

iii.   Give reasons for the following: [3]
     a. Millets are known as dry crops
     b. Rice grows well in West Bengal
     c. Tea is grown on hill slopes

iv   What are the following: [3]

     a. Oil cake
     b. Zayad crops
     c. Ratoon

Question 9

i.   Mention two differences between the following: [2]
     a. Integrated steel plants and mini steel mills
     b. Heavy Industries and Light Industries

ii. Mention any two problems faced by each of the following industries: [2]

  a. The cotton industry
  b. The woollen textile industry
  c. The Handloom khadi industry

iii. Give two reasons for each of the following: [3]
   a. Karnataka is the largest silk producing state in India
   b. The Bhilai Iron and Steel Mill was set up in the Durg District of Chattisgarh
   c. Petrochemical industries are located close to oil refineries

iv. Answer the following: [3]
   a. Why is the electronic industry gaining in importance?
   b. Name two forest based industries.
   c. Why are petrochemical goods gaining in popularity?

Question 10

i. Mention two differences between a National Highway and an Expressway. [2]

ii. What advantages do roads have over railways? Mention any two. [2]

iii. Give reasons for the following: [3]
   a. North India has a better network of inland waterways than South India.
   b. A good transport system is important for the development of a country.
   c. Airways has its disadvantages.

iv. Name: [3]
   a. The western most and the eastern most cities connected by the East-West Corridor
   b. The organization responsible for the development of National Highways
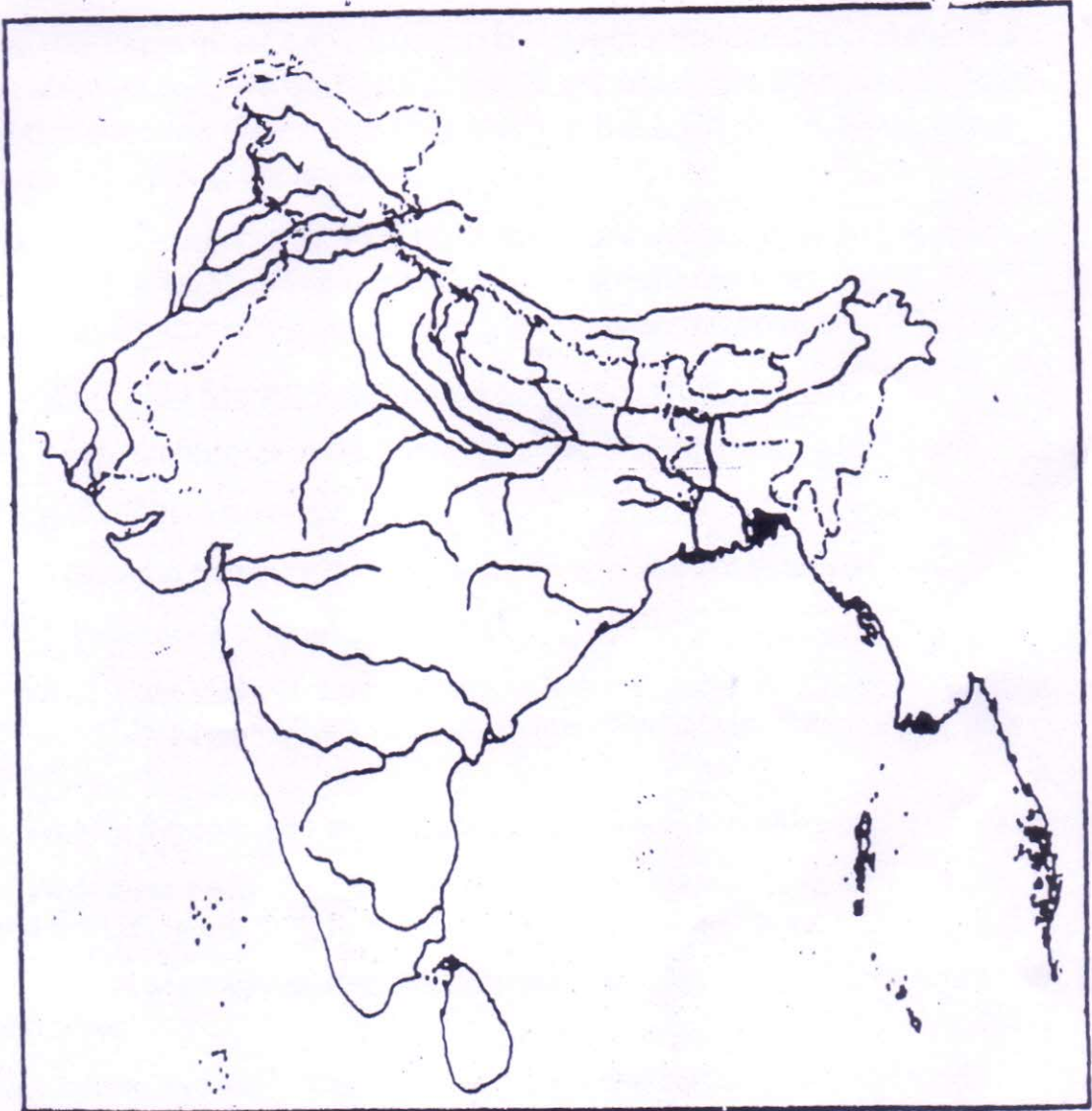   c. A major port not located on the sea coast but along the banks of a river.

Question 11

i. What is acid rain? Name two monuments affected by acid rain. [2]
ii. What is known as Minamata Disease? What caused it? [2]
iii. What is a sanitary landfill? Mention two advantages of sanitary landfill as opposed to open dumping. [3]
iv. What are the following: [3]
   a. Segregation of waste
   b. Eutrophication
   c. Biomagnification

NAME: _____   ROLL No: _____

Q2.

ONLY FOR THE EXAMINER							
i	ii	iii	iv	v	vi	vii	viii
RIVERS SON KAVERI 1	GULF OF KUTCH + ANDAMAN SEA 1	ARAVALLI MT GODWIN 2	KANARA COAST ½	S. INDIA LATERITE SOIL ½	DELHI VISHAKA 2	L. WULAR NATHULA PASS 2	WINTER WINDS 1