

GREENLAWNS SCHOOL, WORLI  
Terminal Examination 2018  
GEOGRAPHY

Std: X  
Date: 27.09.18

Marks: 80  
Time: 2 hours

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Answer to this paper must be written on paper provided separately.  
You will not be allowed to write during the first 15 minutes.  
This time is to be spent reading the question paper.  
The time given at the head of this paper is the time allowed for writing the answers.

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Attempt seven questions in all.

Part I is compulsory. All questions from Part I are to be attempted.

A total of five questions is to be attempted from Part II

Note:

1. In all Map Work, make a wise use of arrows to indicate positions of countries, cities and other insertions that you make; you will be able to avoid overcrowding parts of the map.
  2. The Survey map given to you must not be taken out of the examination hall. It must be handed over to the examiner on completion of the paper.
  3. The Map given at the end of the question paper must be fastened to your answer booklet.
  4. All sub-questions of each question must be answered in the correct serial order.
  5. All working including rough work should be done on the same answer sheet as the rest of the answer.
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**PART I (30 marks)**

Attempt all questions from this part

- Q.1. Study the extract of the Survey of India Map Sheet No.45D/7 (2007) and answer the following questions. [20]
- a. Give the four figure grid reference of: [1]
    - i. The settlement of Pirojpur
    - ii. An area with broken ground to the north of the main river.
  - b. Give the six figure grid reference of: [2]
    - i. A temple in the Moti Bhatamal settlement.
    - ii. A chattri in the Juvol settlement
  - c. Define the following: [2]
    - i. Contour Interval
    - ii. Broken ground
  - d. What do the following represent: [1]
    - i. The broken brown lines in grid 9980
    - ii. The blue line in the river
  - e. What is the difference between the drainage pattern in grid 9782 and in grid 9877. [1]
  - f. What is the geographical term for the broken black lines in grid 9375? State two reasons for the existence of this feature in the given map extract. [1½]
  - g. Name the three means of transport that are used by the people of this region. [1½]
  - h. Calculate the area in square kilometres:
    - i. Between easting 94 and 97
    - ii. Between northing 75 and 77 and easting 98 and 00

- i. What does QC and QD at the bottom of the map extract mean? [1]
- j. What do the blue dots in the map extract signify? How are they helpful to the people of this region? [1]
- k. Name one settlement which lies to the left bank and one which lies to the right bank of the main river in the map. [1]
- l. What do the following mean: [2]
- i. 12 r in grid 9374
- ii. 8 r in grid 9680
- m. What is the compass direction of: [1]
- i. Kotda from Antroli
- ii. Nani Bhatamal from Sangla
- n. Identify the two landforms shown by the contours in the north east of the map extract. [1]
- o. What does 'Dep' in the map extract stand for? Where and when does this feature occur? [1½]
- p. Name two man-made and one natural feature in grid 9177. [1½]
- Q.2. On the outline map of India provided to you mark and name the following. [10]
- a. Mark and name: i) Chandigarh ii) Chennai iii) Srinagar iv) Kolkata [2]
- b. Label the rivers: i) Chambal ii) Ghagra iii) Brahmaputra iv) Mahanadi [2]
- c. Shade and name: i) Lake Wular ii) Palk Strait. [1]
- d. Mark and name: i) Kanara coast ii) North Sircar coast [1]
- e. Shade and label: i) An area with black soil  
ii) An area with alluvial soil in the north [1]
- f. Mark and name: i) The winds that bring rainfall to Kochi in June  
ii) The winds that bring rain to Tamil Nadu in winter. [1]
- g. Mark and name: i) Nilgiris ii) Khasi hills. [1]
- h. Shade and label the Thar desert [½]
- i. Mark and name the Mount K2 peak [½]

### **PART II (50 marks)**

Attempt any five questions from this part

- Q.3.
- a. Explain any two factors that make Western Rajasthan a desert. [2]
- b. Name the type of climate prevailing over India. How do the Himalayas play an important role in ascertaining the existence of this climate all over India. [2]
- c. Give geographical reasons for the following. [3]
- i. Mumbai has received rainfall in the month of May on a few occasions.
- ii. Kochi has a lesser annual range of temperature than Jaipur.
- iii. The Western coastal plains receive more rainfall than the eastern coastal plains.

d. Study the climatic data given below and answer the following questions. [3]

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A (temp <sup>0</sup> C)	24.5	25.4	26.8	29.3	30.6	29.7	29.8	27.4	26.5	26.3	25.1	24.8
A (Rain/cm)	0.1	1.1	0.7	0.6	2.3	25.6	31.7	30.3	21.8	10.6	1.6	0.5

- i. Calculate the mean annual temperature experienced at the station.
- ii. Does the station lie on the east coast or west coast of India? Give a reason for your answer.
- iii. Name the hottest month and the driest month.

Q.4.

- a. Explain any two ways in which a farmer can fix the nitrogen content in the soil. [2]
- b. Give two points of difference between red soil and alluvial soil. [2]
- c. Explain the following terms: [3]
  - i. Shelter belts
  - ii. Riverine soil
  - iii. Soil creep
- d. Explain any three types of erosion by water. [3]

Q.5.

- a. Mention any four ways in which forests are important to humans. [2]
- b. Explain any two features of littoral forests. [2]
- c. With reference to Tropical deciduous forest, answer the following questions: [3]
  - i. Why are these forests commercially most exploited?
  - ii. Name any two trees growing in these forests.
  - iii. Name any two states where these forests are found.
- d. Give geographical reasons for the following. [3]
  - i. Thorn forests have leafless plants.
  - ii. Tropical rainforests are evergreen.
  - iii. Agro forestry is not vulnerable to population stress.

Q.6.

- a. Give any two reasons why tank irrigation is popular in the Deccan region of India. [2]
- b. Give two advantages and two disadvantages of tube wells. [2]
- c. Explain the following terms. [3]
  - i. Drip irrigation
  - ii. Catchment
  - iii. Watershed management
- d. Explain any three reasons why we need to conserve water. [3]

Q.7.

- a. Mention any two key elements of the Green Revolution. Why is it being criticized by the environmental scientists today? [2]
- b. With reference to wheat cultivation answer the following: [2]
  - i. Mention any two states which are leading producers of wheat in India.
  - ii. Why has there been a sharp increase in the production of wheat in India?
- c. Give geographical reasons for the following. [3]
  - i. Rich farmers prefer to cultivate cash crops.
  - ii. Transplantation method is the most popular method of sowing rice.
  - iii. Shifting agriculture is harmful to the environment.
- d. Explain the following terms. [3]
  - i. Rabi crops
  - ii. Dry farming
  - iii. Cereals

Q.8.

- a. Give 4 reasons to justify the importance of the transport system in India [2]
- b. Give any two advantages of waterways and any two disadvantages of airways in India. [2]
- c. Name the following. [3]
  - i. Two sea ports on the east coast of India.
  - ii. Two categories of railway lines in India based on the track system.
  - iii. The starting and ending point of National Waterway No.1
- d. Name and explain any three types of roadways in India. [3]

Q.9.

- a. Mention any two ways in which waste accumulation affects the following: [2]
  - i. terrestrial life
  - ii. aquatic life
- b. Name any two greenhouse gases. How will the greenhouse effect put our future in danger? [2]
- c. What do you mean by the following terms? [3]
  - i. Ozone depletion
  - ii. Composting
  - iii. Eutrophication
- d. Look at the picture given below and answer the questions that follow: [3]



- i. State the two effects of pollution on this heritage site in India.
- ii. Give two reasons for the pollution around this monument.
- iii. Mention two things we can do to protect this monument.

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