

**Half-yearly Examination - 2016-2017**  
**GEOGRAPHY**

Time : 2 Hrs. + 15 min

F. M. : 80

Std. : IX

Part I and Part II all questions are compulsory. All sub sections of each question must be answered in the correct order.

PART I (30 Marks)

Question 1

Study the extract of survey map No. 45 D/10 and answer the following questions.

- a. Give a four figure grid reference of :
  - i. Settlement Rampura (2)
  - ii. Settlement Dolpura
- b. What is the difference in the pattern of drainage in the grid square 0916 and 0712. (2)
- c. What kind of roads connect (i) Marol with Mitan and (ii) Revdar with Karaunti (2)
- d. What do the following terms mean
  - i. stony waste
  - ii. open scrub (2)
- e. Name the river flowing in the middle of the map extract. What type of river is it? (2)
- f. What do the black broken lines in 0508 indicate? What do you mean by causeway? (2)
- g. Revdar is the biggest settlement, write what facilities are available here which are not present in other settlements. (2)
- h. Name any two types of scale shown on the map extract. (2)
- i. What is the general pattern of settlement shown in the map extract? How do the people in the southern part of the map irrigate their field? (2)
- j. Define : i) Brackish ii. Contour line (2)

Question 2

On an outline map of India label and mark the following : (10)

1. River Krishna, Satluj, Damodar and Tapi
2. Satpura range and Jaintia hills
3. Deccan plateau
4. The Indian standard meridian which divides India into two equal halves.
5. The Thar desert
6. The Ganga plains
7. Gulf of Khambat and Lake Chilka

## PART 2

### Question 3

- a. Write the importance of ocean on climate of a place. (2)
- b. Define the following : (3)
  - i. The sea level
  - ii. Hydrosphere
  - iii. Isthmus
- c. i. Draw and explain the Hydrological cycle. (3)
  - ii. Name any two ocean routes used for International trade.
- d. i. Give a reason why oceans are the store house of many resources. (2)
  - ii. Define the continental islands and oceanic islands

### Question 4

- a. State importance of atmosphere on the earth (any 2 points) (2)
- b. Define : (i) global warming (ii) green house effect. (2)
- c. i. Why is stratosphere considered ideal for flying jet aircraft? (3)
  - ii. Write the importance of Ozone layer
- d. i. Define lapse rate
- d. i. Distinguish between :  
Insolation and Terrestrial radiation. (2+1)
  - ii. Name two gases that are heavier than air.

### Question 5

- a. i. What is pedogenesis? (2)
  - ii. How is black soil formed?
- b. Differentiate between Khadar and Bhangar soils. (2)
- c. i. State two methods of soil conservation in semi-arid regions. (2+1)
  - ii. "The loose rock material, together with humus, forming the uppermost layer of the earth's crust, used as a source of growing crops." is called what (give a single term for the given statement)
- d. i. Suggest a few ways by which erosion may be controlled.
- ii. Which cash crops grow well on laterite soil? (2+1)

### Question 6

- a. Give two reasons to explain why irrigation is essential in India? (2)
- b. Mention one advantage and one disadvantage of tank irrigation. (2)

- c. Why is canal irrigation absent in peninsular India? How can ground water resources be recharged? (2+1)
- d. Name the rivers across which the following river valley projects have been constructed. (2+1)
1. The Bhakra - Nangal
  2. The Tungabhadra
- ii. Write any two factors for a need to conserve water resources.

Question 7

- a. What are "littoral" forests? Name any two trees found here. (2)
- b. How do trees survive in Deciduous forest during summer season? Name any two factors which have led to destruction of these forests. (2)
- c. i. Name one region in India where each of the following forests are found : (3)
1. Tropical monsoon forests
  2. Tropical dry / semi arid forest
- ii. The vegetation is up to the higher altitude on the southern slopes of the Himalayas than on the northern slopes
- d. Give any three reasons to explain why forests are important for us. (3)