

# **GEOGRAPHY**

**STEP UP**



**Assignments based on**

**Map Marking & Topography**

**Chapterwise board papers**

**Topography additional Practice questions**

**Map Marking & Topography  
Assignment Sheet**

**Q.1. Study the extract of the Survey of India Map sheet No. 45D/7 and answer the following questions: (Eastings 91 to 01, Northings 73 to 83)**

- (a) Give the six figure grid reference of :
  - (i) Triangulated height 217
  - (ii) lined well near Chekhla.
- (b) (i) Name the left bank tributary of the main river.  
(ii) State the direction in which this left bank tributary is flowing.
- (c) (i) Mention a special feature associated with the streams in grid square 9879.  
(ii) Name the types of drainage pattern found in grid square 9374.
- (d) Give four grid reference of each of the following:
  - (i) Open scrub
  - (ii) Bantawada
- (e) Name two relief features that can be seen in grid square 9782 and 9574.
- (f) Why do you find limited cultivation in the map extract? Give two reasons for your answer.
- (g) What is the compass direction of Antroli (9576) and Chelkha (9281) from Sangla?
- (h) What type of rainfall is experienced in the region shown in the map extract? Justify your answer giving one reason.
- (i) Calculate the distance in kilometers along the cart track between Chitrasani (999747) and Pirojpura (978753).
- (j) (i) What is the geographical name that you would give to the general pattern of settlement in the region shown on the map?  
(ii) Name one region shown on the map which is unsuitable for the cultivation of crops.

**[2013]**


**Q.2. Study the extract of the Survey of India Map sheet No. 45D/10 and answer the following questions: (Eastings 01 to 11, Northings 18 to 28)**

- (a) (i) Give the four figure grid reference of the settlement of Hamirpura.  
(ii) Give the four figure grid reference of the temple in the settlement of Jolpur.
- (b) (i) What does the blue coloured circle in the grid square 0619 represent?  
(ii) What is the compass direction of Dantrai from Jolpur?
- (c) What is the difference between the :
  - (i) pattern of settlements in 0725 and the settlement of Idarla?
  - (ii) drainage pattern of the streams in 0624 and those in 0824?
- (d) What is the value of the contour line in square 0226? What is the contour interval in the map?
- (e) Mention any two factors which provide evidence that the region in the map extract is a rural region.
- (f) (i) How does the feature, indicated by the black curves in 0721, show that rainfall in this region is seasonal?

- (ii) Mention one man made feature in the map, which also provides evidence that the rainfall is seasonal.
- (g) (i) Name two natural features in 0527.  
(ii) Name two natural features in 0325.
- (h) Name two features which makes Dantrai a more important settlement than the other settlement in the map extract.
- (i) Calculate the area of the region which lies to the south of northing 21 in square kilometers.
- (j) What are the following?
  - (i) The black vertical line between eastings 09 and 10
  - (ii) 302 in grid square 0425.

[2014]

**Q.3. Study the extract of the Survey of India Map sheet No. 45D/10 and answer the following questions : (Eastings 15 to 25, Northings 02 to 12)**

- (a) Give the four figure grid reference for a figure similar to the one given below. Identify the figure. 
- (b) How is drainage pattern in grid square 1606 different from that grid square 1608?
- (c) Identify the correct six figure grid reference for each of the following:
  - (i) Gautam Maharishi Mandir  
200071; 071200; 201070?
  - (ii) -443  
172059; 052179; 179052?
- (d) Name the most prominent settlement other than ABU. Give two reasons to support your answer.
- (e) (i) What is the general slope of the land in the north-west corner of the map extract?  
(ii) What is the compass direction of Chandela(1 803) from Hanumanji ka Mandir (2208)?
- (f) What do you understand by the following terms as used on the map extract:
  - (i) Causeway (1702)
  - (ii) Falls 25m (2307).
- (g) (i) If you were to cycle at 10 km an hour, how much time would it take to cover the north-south distance depicted on this map extract?  
(ii) Calculate the area enclosed by Eastings 19 to 22 and Northings 04 to 09.
- (h) Identify one natural feature in grid square 1610.
- (i) Give two probable reasons, other than dry water features, to indicate that the region depicted on the map extract receives seasonal rainfall.
- (j) Calculate, in mores, the difference in height between the highest point on the map extract and the contour height given in grid square 2402.

[2015]

**Q.4. Study the extract of the Survey of India Map sheet No. 45D/7 and answer the following questions : (Eastings 91 to 01, Northings 73 to 83)**

- (a) Give the six figure grid reference of :
  - (i) Surveyed tree 219 north east of Pirojpura settlement.
  - (ii) Triangulated height 364 in the southern part of the map extract.

- (b) What is the direction of flow of Basin river ? Give one evidence for your answer.
- (c) What do you understand by :  
 (i) 12r in the grid square 9878.  
 (ii) 180 in the grid square 9182.
- (d) Calculate the area in kilometre of the region between 93 and 99 eastings and 76 and 81 northings.
- (e) (i) What is the compass direction of settlement Juvol from settlement Amivada ?  
 (ii) Give the difference in altitude between the highest point on the map to the altitude of Moti Bhatamal.
- (f) Name the feature depicted by :  
 (i) Blue line in Balaram nadi  
 (ii) Brown patch in 9678
- (g) Name the drainage pattern found in  
 (i) 9782 (ii) 9478
- (h) What do you infer about the climate of the region by the information provided on the map ? Give an evidence in support of your answer.
- (i) Name two man made and two natural features in 9580.
- (j) What do the following denote :  
 (i) Black vertical line running along with 93 easting  
 (ii) RS near Chitrasani settlement.

[2016]

**MAP MARKING****On the outline map of India provided:****Q.1.**

- a) Mark and name Chennai
- b) Label the river Godavari
- c) Shade and label the Chota Nagpur Plateau
- d) Shade and name the Gulf of Kachchh
- e) Mark and name the Indo Gangetic Plains
- f) Shade and label an area with Red Soil
- g) Mark and name the winds which bring rain to Mumbai in July and August
- h) Mark and name the Satpura Range
- i) Mark and name Jharia Coal Field
- j) Shade and label the Northern Circar coastal region.

[2013]

**Q.2.**

- a) Draw, name and number the Standard Meridian.
- b) Label the river Yamuna.
- c) Shade and label the Gulf of Khambhat.
- d) Mark and name the Nathula Pass.
- e) Mark and name the Karakoram Range.
- f) Shade and name a sparsely populated State in Northeast India.
- g) Shade a region with laterite soil in Eastern India.
- h) Mark with a dot and name Vishakhapatnam.
- i) Mark and name the winds that bring rain to West Bengal in summer.
- j) Print S on the iron mines in Singhbhum.

[2014]

**Q.3.**

- a) Mark and name the Nilgiris.
- b) Shade and label the Malwa Plateau.
- c) Shade and label the Malabar Coastal Plains.
- d) Mark and name the River Gomati.
- e) Mark and name the Andaman Sea.
- f) Mark and name Allahabad.
- g) Mark with a single arrow and name the winds that bring winter rains to North West India.
- h) Mark and name Digboi.
- i) Mark an area with laterite soil below the Tropic of Cancer.
- j) Mark and name the Karakoram Pass.

**[2015]****Q.4.**

- (a) Draw and number the Standard Meridian of India.
- (b) Label the river Mahanadi.
- (c) Mark and name Lake Chilka.
- (d) Shade and name the Gulf of Mannar.
- (e) Mark and name the Vindhya Mountains.
- (f) Shade and name a sparsely populated region in western India
- (g) Shade a region with alluvial soil in South India.
- (h) Mark and name Kolkata.
- (i) Mark with arrows and name South West Monsoon winds over the Bay of Bengal.
- (j) Mark and name Mumbai High.

**[2016]****Q.5.**

- (a) Eastern and Western Ghats.
- (b) River Mahanadi.
- (c) Mark with arrows the direction of the Bay of Bengal branch with South West Monsoon.
- (d) Shade and name an area where Red soil is found extensively.
- (e) The longitude  $82\frac{1}{2}^{\circ}\text{E}$ .
- (f) Coromandel coast.
- (g) Nathula Pass.
- (h) Mark and label the leading states for coal and iron ore.
- (i) Shade and name the state with highest density of population.
- (j) Mark with a red dot and name Allahabad.

**[2017]**