

# ***PRACTICE FOR TOPOSHEET NO. G43S10***

## **PART – I**

**Study the extract of the Survey of India Map sheet No. G43S10, [Easting 47-56 and Northing 31-39] and answer the following questions:**

### **EXERCISE - 1**

- (a) What type of rainfall does this region receive? Give a reason. [2]

.....  
.....

- (b) Name the largest settlement. Mention two advantages that this settlement has over the other settlement. [3]

.....  
.....  
.....

- (c) Why is the meaning of the two red dashed lines passing through the grid square 5036? [1]

.....

- (d) Give the meaning of the following terms: [2]

(i) Rock outcrop in 5138 .....

(ii) Open Scrub in 5136 .....

- (e) Measure the distance in kilometres and metres along the metalled road between Dantrai and Dhann. [2]

.....  
.....

- (f) To which direction are the streams flowing? Give a reason. [2]

.....  
.....

- (g) You find a large number of lined perennial wells around the Dantrai Settlement. What does it suggest about the occupation of the people? [1]

.....

(h) What is the difference in the drainage pattern shown in grid square 5033 and 5434? [2]

.....

(i) What do the white patches and the black curve line on the map depict? [2]

.....

(j) What do you understand by the followings: [3]

(i) Black line parallel to Northings 35 .....

(ii) 3r in grid square 5034 .....

(iii) .311 in grid square 5435 .....

## EXERCISE - 2

(a) Give the six figure grid reference of the following: [2]

(i) .324 in grid square 5338 .....

(ii) DhadTalao. ....

(b) Draw the conventional symbols of the following: [4]

(i) Surveyed Tree .....

(ii) Broken ground .....

(iii) Temple .....

(iv) Embankment .....

(c) (i) What do the broken lines along the streams in the southern part of the map indicate?

.....

(ii) What is the reason for its formation? [2]

.....

(d) Identify the landform shown in grid square 4733. [1]

.....

(e) What does 2r in grid square 5237 mean? [1]

.....

(f) (i) What is the compass direction of Bhamra from Dhann?

.....

(ii) What mode of transport is used by the people of Dhann to go to Bhamra?[2]

.....

.....

- (g) What are the brown lines covering most of the map extract called? What do these brown lines indicate? [2]  
.....  
.....
- (h) What is the area in square kilometers of the land enclosed by Eastings 49 to 52 and Northings 35 to 38? [2]  
.....  
.....
- (i) In grid square 5032, you find the numbers 280 and 290. What do they indicate? [2]  
.....  
.....
- (j) Name one natural feature and one man made feature in grid square 5334. [2]  
.....  
.....

### EXERCISE - 3

- (a) (i) What is the difference between Spot Height and Relative Height ? [2]  
.....  
(ii) In what way Trigonometrical Station differs from Spot Height? [2]  
.....  
.....
- (b) Identify the drainage patterns in the following grid square- [2]  
(i) 5235 .....  
(ii) 4838 .....
- (c) What do the black dotted line in grid square 5236 mean? [1]  
.....  
.....
- (d) What type of rainfall is experienced by this region? Give two reasons to justify your answer. [3]  
.....  
.....  
.....
- (e) Define the following terms: [2]  
(i) Spot height .....  
(ii) Rock outcrop .....
- (f) (i) What is meant by R.F.? .....  
.....

(ii) If the scale given is 4cm=1km, then calculate the R.F. [2]

(g) Name the land form shown in grid square 5034. [1]

(h) What kind of natural tank is DhadTalao? What does it indicate about the rainfall in this region? [2]

(i) What do 4r in grid square 4933 mean? [1]

(j) What is the difference between the numbers 300 and 311 in G.S. 5336? [2]

#### EXERCISE - 4

(a) Towards which direction is the general slope of the land? What immediately suggests to you that is so? [2]

(b) What is the distance in kilometers between Idarla and Abidri? Show your working. [2]

(c) In NW part of the map you find small brown circles. What does it mean? [1]

(d) In what compass direction does the village Bhamra lie from Dantrai? [1]

(e) In grid square 5336 you find three lines drawn in red, black and brown. What does each of them indicate? [3]

(f) What occupation is carried out by the people in the northern part of the map? Give a reason to justify your answer. [2]

- .....
- (g) Mention two man-made and two natural features in grid square 5032. [4]
- .....
- .....
- .....
- (h) Give six figure grid reference of the temple located near Saran kaKhera. [1]
- .....
- (i) What is the total area of the actual ground represented on your map? Show your calculation. [2]
- .....
- .....
- .....
- (j) What do 4r in grid square 4932 indicate? [2]
- .....
- .....
- .....

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## PART – II

**Study the extract of the Survey of India Map sheet No. G43S10, [Easting 56-64 and Northing 31-39] and answer the following questions:**

### EXERCISE - 1

- (a) Give the six figure grid reference of: [2]
- (i) Village Dadarla .....
- (ii) .362 in NE corner of map. ....
- (b) In grid square 6232 you find the word 'Brackish'? What does it mean? [2]
- .....
- .....
- (c) How does the drainage pattern in grid square 6034 differ from drainage pattern in grid square 6338? [2]
- .....
- .....
- (d) Name two villages where Annual fair is held in the month of March. [2]
- .....
- .....

.....

(e) Which settlement is more important- Malgaon or Pamera? Why? [2]

.....

.....

(f) (i) What do the brown lines in the northern part of the map indicate?

.....

(ii) Give the meaning of Rocky knob. [2]

.....

(g) What mode of transports are used by the people of this region? [2]

.....

(h) What do 4r in grid square 5635 and 15r in grid square 5735 mean? [2]

.....

(i) Calculate the area in kilometers enclosed by Eastings 58 to 60 and Northings 36 to 38. [2]

.....

(j) (i) To which direction is Dior Nadi flowing?

.....

(ii) Give one reason to support your answer. [2]

.....

## EXERCISE - 2

(a) Define the terms: [2]

(i) Stony waste .....

(ii) Open Scrub .....

(b) What cultural event takes place in the village Pamera and Malgaon every year? [1]

.....

(c) (i) Give the height of the highest point on the map ?

.....

(ii) Give the six figure grid reference in which that point is located. [2]

.....

- (d) Give the six figure grid reference of the temple located in the north western corner of the map. [1]  
.....  
.....
- (e) Mention one man made and one natural feature in grid square 6234. [2]  
.....  
.....
- (f) (i) What is the difference in height between the grid square 6138 and grid square 6136?  
.....  
(ii) What is the contour value in G.S. 6338? [2]  
.....  
.....
- (g) What do the black dots in Dior Nadi indicate? What does it indicate about the rainfall? [2]  
.....  
.....
- (h) (i) What is the general direction of the slope of this region? [1]  
.....  
(ii) Define the terms- [3]  
1. Aqueduct .....  
2. Causeway .....  
3. Open scrub .....
- (i) Identify the drainage patterns in grid square 6334 and 6033. [2]  
.....  
.....
- (j) (i) What mode of transport is used by the people of Malgaon?  
.....  
(ii) Calculate the length of the road from Malgaon to Posintra. [2]  
.....  
.....

### EXERCISE - 3

- (a) Give the six figure grid reference of: [4]  
(i) Dry tank in Posintra .....  
(ii) PO in Pamera .....  
(iii) Red cross near Nagani (Diggi) .....  
(iv) Surveyed tree near Posintra .....

- (b) Identify the following: [3]
- (i) The land form in grid square 5934 .....
- (ii) Green colour arc in G.S. 6236 .....
- (iii) Red cross in G.S. 5835 .....
- (c) What is meant by the terms Rock outcrop and Stony waste? [2]
- .....
- .....
- (d) Calculate the distance along the pack track between Nagani and the point where the spot height is 307 (6136). [2]
- .....
- .....
- (e) What is meant by 20r written in grid square 6133? [1]
- .....
- (f) Write do the symbol represent? [2]
- (i) r .....
- (ii)  $\Delta$  .....
- (g) (i) What occupation is carried out by the people of Dangrali?
- .....
- (ii) Give a reason to support your answer. [2]
- .....
- (h) What do the black dotted lines in grid square 5734 indicate? [1]
- .....
- (i) What difference do you find in the pattern of settlements between Karja and Nagani? [1]
- .....
- (j) Using appropriate colours draw all the symbols that you find in grid square 5835. [2]
- .....
- .....

#### EXERCISE - 4

- (a) At what height is Pamera situated? [1]
- .....
- (b) (i) Can you send a letter from any of the villages on this map?
- .....



- (ii) If so, write the name of the village and a reason to justify your answer. [2]  
.....  
.....
- (c) Why is there no habitation on the northern part of the map? Give a reason. [2]  
.....  
.....
- (d) (i) Give four figure grid reference where you find a Rock Outcrop.  
.....  
(ii) What does it mean? [2]  
.....  
.....
- (e) Give six figure grid reference of the surveyed tree located near Dior Nadi. [1]  
.....  
.....
- (f) What is the general pattern of drainage in this area? Justify your answer with a reason. [2]  
.....  
.....  
.....
- (g) What is the difference in the relief between the northern and the southern part of the map? [2]  
.....  
.....
- (h) Name the type of rainfall received by this area. Give two reasons. [3]  
.....  
.....  
.....
- (i) What is the statement scale of the map? Name the other two scales. [3]  
.....  
.....  
.....
- (j) (i) What is C.I.? [2]  
.....  
(ii) What is the C.I. of the map? [2]  
.....  
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### PART – III

Study the extract of the Survey of India Map sheet No. G43S10, [Easting 64-72 and Northing 31-39] and answer the following questions:

#### EXERCISE - 1

- (a) Give the four figure grid references of the following: [4]  
(i) Settlement Asawa .....  
(ii) Dispensary .....  
(iii) Stony waste .....  
(iv) Ridge .....
- (b) Define the term Contour? What is C.I. of the map? [2]  
.....  
.....
- (c) What is the compass direction of Pithapura from Udwariya? [1]  
.....
- (d) In grid square 2024, you find the word 'causeway'. What does it mean? [2]  
.....  
.....
- (e) Calculate the distance in kilometres along the metalled road between Asawa and Udwariya. Show your calculation. [2]  
.....  
.....
- (f) What does 4r in grid square 6834 and 3r in grid square 6933 indicate? [2]  
.....  
.....
- (g) (i) What is the main occupation of the people of Pithapura?  
.....  
(ii) Which is the chief source of irrigation in this region?  
.....  
(iii) What is the meaning of sluice in G.S. 6832? [3]  
.....
- (h) Identify the drainage patterns in grid square 7136 and 7132. [2]  
.....  
.....
- (i) What does the green colour in the south eastern part of the map indicate? [1]  
.....

(j) What do the red double dash lines in grid square 7034 indicate? [1]

.....

## EXERCISE - 2

(a) Give the six figure grid reference of the temple near Pithapura. [1]

.....

(b) What is Main power line? In which part of the map do you find it? [2]

.....

.....

(c) What is the meaning of the conventional sign that you see around the dry natural tank in G.S. 6637? What is its purpose? [2]

.....

.....

(d) In grid square 7033, you find three red squares. What does it mean? [1]

.....

(e) Identify the symbols in red and blue circle with a cross inside in G.S. 6533. [2]

.....

.....

(f) Give a four figure grid reference of a meander. In which stage of river does it form? [2]

.....

.....

(g) To which direction is the SipuNadi flowing? Give a reason to support your answer.[2]

.....

.....

(h) (i) In grid square 6737, you find the PF. What is it's full form?

.....

(ii) What does brown patch around PF indicate? [2]

.....

(i) (i) What do the broken black lines in grid square 6932 mean?

.....

(ii) Identify the landform in grid square 6936.

.....

(iii) What is the contour value of the contour line in grid square 7135? [3]

- .....
- (j) (i) Is the lake shown in the map artificial or natural? .....
- (ii) Give a reason. ....
- (iii) How does it help the people of Pithapura? [3]
- .....

### EXERCISE - 3

- (a) Give six figure grid reference of the following: [2]
- (i) Natural dry tank on the right side of Udwariya .....
- (ii) Nearest temple of Sanwara .....
- (b) What does the numbers 300 in G.S. 6733 and 331 in G.S. 6534 mean? [2]
- .....
- (c) Identify two manmade features in G.S. 6932. [1]
- .....
- (d) (i) In which direction is Sipu Nadi flowing? [1]
- (ii) Give a four figure grid reference of a meander. [1]
- .....
- (e) (i) What does the blue patch in G.S. 6832 indicate? [1]
- (ii) What do you understand by the word 'sluice' in G.S. 6832? [1]
- .....
- (f) Calculate in kilometres the length of the metalled road from the point 645320 to the point 666370. [2]
- .....
- (g) Give the meaning of the following: [4]
- (i) PF in G.S. 6737 .....
- (ii) The symbol in blue circle along the metalled road in G.S. 6533. ....
- (iii) 21r in G.S. 6536 .....

- (iv) Open scrub in G.S. 7038 ..... [1]
- (h) What do the large number of brown lines shown in the South Eastern part of the map mean? ..... [1]
- (i) What does the white patch on SipuNadi in G.S. 6632 indicate? ..... [1]
- (j) Give the compass direction of the following places: ..... [3]
- (i) Udvariya from Sirori ..... [1]
- (ii) Sanwara from Asawa ..... [1]
- (iii) Gulabganj from Udvariya ..... [1]

#### EXERCISE - 4

- (a) Choose the correct six figure grid reference of the following features: ..... [4]
- (i) Chattri- 653320, 669337, 652323 ..... [1]
- (ii) Surveyed Tree- 699341, 703346, 346703 ..... [1]
- (iii) Permanent Hut- 648383, 388643, 645381 ..... [1]
- (iv) Dry Tank (man-made)- 687358, 673342, 675345 ..... [1]
- (b) (i) In which direction is Sukli Nadi flowing? ..... [2]
- (ii) Give one reason to support your answer. .... [1]
- (c) What do the black line running parallel to Easting line 68 from the middle of the map indicate? ..... [1]
- (d) What is the distance along the cart track in kilometres between the temple near Asawa and the temple along the road in Sanwara? Show your calculations. [2]
- (e) (i) Which community of people dominantly reside in Gulabganj, Sirori and Sanwara? ..... [1]
- (ii) Give a reason to support your answer. .... [2]
- (f) Name two man-made and two natural features in G.S. 6933. ..... [2]

(g) What does the green line enclosing the stony waste patch indicate? [2]

.....  
.....

(h) Give a four figure grid reference of the following contour patterns: [2]

(i) Ridge .....

(ii) Knolls .....

(i) (i) What is meant by C.I.? [2]

.....  
(ii) What is the C.I. in the given map?

.....  
(j) (i) Identify the drainage pattern in G.S. 7136. [2]

.....  
(ii) What does 4r in G.S. 7132 indicate?

.....

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#### PART – IV

**Study the extract of the Survey of India Map sheet No. G43S10, [Easting 47-56 and Northing 21-31] and answer the following questions:**

#### EXERCISE - 1

(a) Give six figure grid reference of the following features: [4]

(i)  $\Delta$ 413 .....

(ii) Dry tank at Warka .....

(iii) Temple near Rampura .....

(iv) Settlement Serua .....

(b) (i) What feature has been developed along the main river?

.....  
(ii) What is the cause of its formation? [2]

.....  
(c) What does the blue line in the river indicate? [1]

.....  
(d) To which direction is Mitani situated from Rajgarh? [1]

.....

- (e) What occupation is carried out by the people in and around the limestone quarry? [2]  
.....  
.....
- (f) (i) Which is the most developed settlement in the area? [1]  
.....  
(ii) Give two reasons to justify your answer. [2]  
.....  
.....
- (g) Identify the drainage pattern in grid square 5224. [1]  
.....
- (h) What do the following colours stand for- [3]  
(i) Yellow .....  
(ii) White .....  
(iii) Brown .....
- (i) Draw any four conventional symbols you find at Rannari (4826). [2]  
.....  
.....
- (j) Calculate the distance along the cart track in kilometres between Want and Mitani. [1]  
.....

## EXERCISE - 2

- (a) Give four figure grid reference of the settlement Devka. [1]  
.....
- (b) (i) What do the brown shades in the NW part of the map indicate? [1]  
.....  
(ii) How are they formed? [1]  
.....
- (c) (i) Can you send a letter and telegram from Revdar? [1]  
.....  
(ii) Give one evidence to support your answer. [1]  
.....
- (d) What occupation is carried out by the people in Serua (5424)? Give an evidence to support your answer. [2]

- .....
- .....
- (e) Define the following terms- [3]
- (i) Causeway .....
- (ii) Brick Kiln .....
- (iii) Open scrub .....
- (f) What is the difference between the red line in grid square 5024 and in grid square 4923? [2]
- .....
- .....
- (g) Give the six figure grid reference of the point where the roads converge at Karaunti. [1]
- .....
- (h) (i) What does 5r in grid square 5027 indicate? [1]
- .....
- (ii) Identify the drainage pattern in G.S. 4923. [1]
- .....
- (i) What is the difference between the numbers 260 in G.S. 5025 and 268 in G.S. 5026? [2]
- .....
- .....
- (j) (i) What type of rainfall is experienced by this region? Give evidence. [2]
- .....
- .....
- (ii) What does the black curve lines in G.S.4828 indicate? [1]
- .....
- .....

### EXERCISE - 3

- (a) Choose the correct six figure grid reference of the following: [3]
- (i) Brick Kiln- 244545, 544245, 544254 .....
- (ii) Temple near .204- 482226, 484220, 480224 .....
- (iii) Prominent Surveyed Tree- 495237, 497235, 505237 .....
- (b) Calculate the distance along the metalled road in kilometres and metres between the distance stone 246 (5123) and the road converging at Karaunti?[2]
- .....
- .....



- (c) Identify and describe the drainage pattern in grid square 5225. [2]  
.....  
.....
- (d) (i) What do the white patches in and around Hara Magra indicate?  
.....  
(ii) Identify the landform in G.S. 5327. [2]  
.....
- (e) What do the following terms mean- [3]  
(i) Marblestone Quarries in G.S. 5427 .....  
(ii) 3r in G.S. 5229 .....  
(iii) Blue dot in G.S. 5328 .....
- (f) Name one prominent man made feature near Hara Magra. Also give its six figure grid reference. [2]  
.....  
.....
- (g) What is the disadvantage of the natural features found along the river? [2]  
.....  
.....
- (h) What occupation is carried out by the people of Revdar? Give evidence. [2]  
.....  
.....
- (i) What is the difference in height between the numbers in G.S. 5325 and G.S.4822? [1]  
.....
- (j) Identify the landform in grid square 5226. [1]  
.....

#### EXERCISE - 4

- (a) Give two reasons to justify that Revdar is the most important settlement in the region. [2]  
.....  
.....
- (b) Identify the drainage pattern in and around Hara Magra. [2]  
.....

- .....
- (c) Explain the following terms: [2]  
 (i) Brick Kiln .....  
 (ii) Causeway .....
- (d) What is the meaning of the following conventional signs: [3]  
 (i) Blue cross feature in G.S. 4924 .....  
 (ii) 'Marblestone quarries' in grid square 0918 .....  
 (iii) Red box in grid square 4925 .....
- (e) What occupation is carried out by the people of Bikanwas? Give reason to support your answer. [2]  
 .....  
 .....
- (f) What is the difference in the settlement pattern of Karaunti and Rajgarh? [2]  
 .....  
 .....
- (g) Identify the conventional symbols in grid square 5124. [2]  
 .....  
 .....  
 .....
- (h) Calculate the actual ground distance in kilometers between Rannari and Bikanwas. Show your working. [2]  
 .....  
 .....  
 .....
- (i) Give the compass direction of Rampura from Warka. [1]  
 .....
- (j) What do the brown patches in the NW part of the map indicate? [1]  
 .....

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## PART – V

**Study the extract of the Survey of India Map sheet No. G43S10, [Easting 56-64 and Northing 21-31] and answer the following questions:**

### EXERCISE - 1

- (a) Give the six figure grid reference of the following: [2]

(i) A prominent surveyed tree near Selwara

.....  
(ii) Chattri at Dak

.....  
(b) What is the meaning of the number 240 in grid square 5623? [1]

.....  
(c) Draw the conventional symbols of the different modes of transport used by the people of this region. [3]

.....  
(d) What is the difference in the types of huts between Basiya and Dhandhpur? [2]

.....  
(e) To which direction is the SipuNadi flowing? Give a reason. [2]

.....  
(f) Draw the conventional symbols of the following: [4]

(i) Chattri

(ii) Dry tank with an embankment

(iii) A Prominent Surveyed Tree

(iv) Temporary Huts

.....  
(g) What do 4r in grid square 6223 mean? [1]

.....  
(h) Calculate the distance along the metalled road from causeway at Dabani to the causeway at Dhandhpur. Show your working and find the distance in kilometres and metres. [3]

.....  
(i) What do the black curve lines in grid square 5825 mean? [1]

.....  
(j) What is meant by the term Open scrub? [1]

## EXERCISE - 2

- (a) Give four figure grid reference of an area of Stony waste. [1]  
.....  
.....
- (b) What difference do you find in the pattern of settlement between Selwara and Mohabbatgarh? [2]  
.....  
.....
- (c) Give four figure grid references of the following: [4]  
(i) Surveyed tree .....  
(ii) Temple .....  
(iii) Lined perennial well .....  
(iv) Embankment .....
- (d) (i) What do the black curve lines along DevanganNadi indicate? .....  
(ii) How are they formed? [2]  
.....
- (e) Identify the landform in grid square 5822. [1]  
.....
- (f) In grid square 6127 and 6128, you find the numbers 280 written in black and brown. What do they indicate? [2]  
.....  
.....
- (g) What is the compass direction of Dak from Thal? [1]  
.....
- (h) Mention four facilities that the people of Anadra enjoy over the other settlements. [4]  
.....  
.....  
.....
- (i) Define the following- [2]  
(i) .269 .....  
(ii) 3r .....
- (j) Identify the drainage pattern in grid square 5730. [1]  
.....

### EXERCISE - 3

- (a) Give the six figure grid reference of 14r at Anadra. [1]  
.....
- (b) What does the green patch at the south east corner of the map indicate? [1]  
.....
- (c) Calculate the distance in kilometers, along the pack track between Dak and the permanent hut (616229). [2]  
.....  
.....
- (d) Give the six figure grid references of the following: [4]  
(i) .270 near Dhanera .....  
(ii) Temple near Dak .....  
(iii) Lined perennial well near Thal .....  
(iv) Chattri at Dhandpur .....
- (e) (i) What major occupation is carried out by the people of this region?  
.....  
(ii) Give two reasons to justify your answer. [3]  
.....  
.....
- (f) Can you travel by car from Dabani to the temple at Sapol in the month of August and September? Why? [2]  
.....  
.....
- (g) Name the two Nadi that joins SipuNadi. [2]  
.....  
.....
- (h) What do the symbol around the dry tank in G.S. 6223 mean? [2]  
.....  
.....
- (i) Give four figure grid reference of a Meander. [1]  
.....
- (j) Find out the area of one grid square. [2]  
.....  
.....

## EXERCISE - 4

(a) (i) What does 15r near Dhandhpur mean?

..... [2]

(ii) Give its six figure grid reference.

..... [1]

(b) What do the black small dots in the SipuNadi indicate?

..... [3]

(c) What type of rainfall is experienced in this region? Give two reasons to support your answer.

..... [2]

(d) What is the difference between 3r written in grid square 6127 and 5729?

..... [1]

(e) What economic activity is carried out by the people of Thal?

..... [1]

(f) What do the white patches in the map indicate?

..... [2]

(g) What is the distance along the track cart between Lunol and Dabani? Measure the distance in kilometres and metres.

..... [3]

(h) Define the following terms:

(i) Stony Waste .....

(ii) Open Scrub .....

(iii) Relative Height .....

(i) Write four natural features found in grid square 6224. [2]

..... [3]

(j) Draw the conventional symbols of the following using appropriate colours:

(i) Chattri .....

(ii) Metalled Road .....

(iii) Temple .....

\*\*\*\*\*

## PART – VI

Study the extract of the Survey of India Map sheet No. G43S10, [Easting 64-72 and Northing 21-31] and answer the following questions:

### EXERCISE - 1

- (a) Give six figure grid reference of .1425. [1]  
.....
- (b) (i) Which is the most important settlement?  
.....  
(ii) Mention two facilities that make it an important settlement. [3]  
.....  
.....
- (c) Name the two types of vegetation found in this region. [2]  
.....  
.....
- (d) What types of huts do Bamba has? Draw the symbol of the huts. [2]  
.....  
.....
- (e) What is meant by the term Sheet Rock in grid square 7121? [2]  
.....  
.....
- (f) Give the compass direction of SigarliKhera from .437 near BhuniMagri. [1]  
.....
- (g) Identify the drainage pattern in grid squares 6728 and 6924. [2]  
.....  
.....
- (h) What does the blue patch enclosed in G.S. 6722 indicate? How does it help the people of that region? [2]  
.....  
.....
- (i) Give four grid references of the following landforms: [3]  
(i) Concave slope .....  
(ii) Ridge .....  
(iii) Saddle .....

- (j) Measure the distance in kilometers along the metalled road between the causeways in G.S. 6829 and G.S. 7028. [2]

.....  
.....

## EXERCISE – 2

- (a) Give the meaning of the following conventional symbols: [3]

(i) PWD in grid square 6822 .....

(ii)  $\Delta$ 1327 in grid square 6721 .....

(iii) Falls 7m in grid square 6622 .....

- (b) Identify the landform in grid square 6523. [1]

.....

- (c) What are the modes of transport used by the people to reach Abu town? [2]

.....

.....

- (d) (i) In which part of the map do you find most of the cultivated land?

.....

(ii) Give a reason for your answer. [2]

.....

- (e) Give the six figure grid reference of .501 in the south western corner of the map. [1]

.....

- (f) What is the compass direction of Anjani Devi kaMandir from the settlement of SigarliKhera? [1]

.....

- (g) Identify the drainage pattern in the following grid squares: [4]

(i) 7124 .....

(ii) 7123 .....

(iii) 6728 .....

(iv) 6724 .....

- (h) What is the difference between the two types of huts in grid square 6627? [2]

.....

.....

- (i) Identify the landform in the following grid squares: [2]

(i) 6725 .....

(ii) 6925 .....

- (j) What is meant by the term Scale? Name the different types of scale. [2]



### EXERCISE - 3

- (a) Give the six figure grid reference of the following features: [4]  
(i)  $\Delta$ 1426 .....  
(ii) 6r in G.S. 6827 .....  
(iii) Trevor Tal .....  
(iv) Unlined well near Harmatiya .....
- (b) Draw the following conventional symbols with appropriate colours: [2]  
(i) Fire line .....  
(ii) Temporary Huts .....
- (c) To which direction are the streams flowing in the north western part of the map? [1]  
.....
- (d) (i) What do you mean by the word Brackish in grid square 6426?  
.....  
(ii) What is its disadvantage? [2]  
.....
- (e) Give the meaning of the following: [3]  
(i) 6r in grid square 6827 .....  
(ii) .842 in grid square 6521 .....  
(iii) The number 400 in grid square 6827 .....
- (f) Identify the landforms from the following statement: [2]  
(i) Contours are drawn close on the higher side and far apart at the lower side.  
.....  
(ii) More than two contour lines join together.  
.....
- (g) Mention three reasons that made Abu a hill resort. [3]  
.....  
.....  
.....
- (h) Write the full form of CPWD. [1]  
.....
- (i) What do the red dotted line in grid square 7028 indicate? [1]  
.....

- (j) What is the total area covered by this map in kilometres? [1]  
.....

#### EXERCISE - 4

- (a) Give four figure grid references of the highest spot appearing on this map. [1]  
.....
- (b) Mention two major occupations carried out by the people of this region. [2]  
.....  
.....
- (c) Describe the drainage pattern in the following grid squares: [3]  
(i) 6524 .....  
(ii) 7128 .....  
(iii) 7123 .....
- (d) What is the difference between Spot Height and Bench Mark? [2]  
.....  
.....
- (e) Name four natural features in grid square 6627. [2]  
.....  
.....
- (f) (i) Identify the landform in grid square 6523.  
.....  
(ii) What do you understand by the term Fire line written in G.S. 6928? [2]  
.....
- (g) What two modes of transport do the people use in the north eastern part of the map to visit AnjinikaMandir? [2]  
.....  
.....
- (h) Identify the landforms from the following statements: [2]  
(i) More than two contour lines join together.  
.....  
(ii) Contours are drawn almost round in shape.  
.....
- (i) What are the modern facilities provided to the city of Abu and why? [2]  
.....  
.....

(j) What do you mean by open mixed jungle and Open scrub? [2]

.....  
.....

\*\*\*\*\*

## PART – VII

**Study the extract of the Survey of India Map sheet No. G43S10, [Easting 47-56 and Northing 12-21] and answer the following questions:**

### EXERCISE - 1

(a) (i) What type of rainfall does this region receive? [1]

.....  
(ii) Give reasons for your answer. [1]

.....  
(b) (i) Why is it written 'Causeway' in many areas in the map? [2]

.....  
(ii) Give a reason what is the cause of these Causeways? [1]

.....  
(c) Give the meaning of the following terms:

(i) Rocky Knob in 5412 .....

(ii) Sluice in 5015 .....

(iii) Open mixed jungle in 5112 .....

(iv) Open scrub in 5317 .....

(d) (i) In which direction is the general slope of the land? [1]

.....  
(ii) Give a suitable reason to support your answer. [1]

.....  
(iii) How much is the difference in the slope of the land in meters? [1]

.....  
(e) Name the chief occupations of the people of this region shown on the map.[2]

.....  
.....

(f) Which settlement do you think is the most important settlement in this area and why? [2]

- .....
- .....
- (g) (i) What do the white patches on the map depict? [1]
- .....
- (ii) What is the main cause of it? [1]
- .....
- (h) What type of drainage pattern in square 5113 is found? In what way is it different from grid square 5215? [2]
- .....
- .....

## EXERCISE - 2

- (a) Give six figure grid reference of the following: [4]
- (i) Spot height 236 in the NW Corner. ....
- (ii) Temple at RampuraKhera ....
- (iii) Surveyed Tree 254 in Northern Part ....
- (iv) Dry natural tank near Salotra ....
- (b) What is the compass direction of Goreli from Bherugarh? [1]
- .....
- (c) What do you understand by black line parallel to Northing 16? [1]
- .....
- (d) Choose the correct grid reference for the following, which is given below and rewrite in your answer book. [4]
- (i) Temple at Bherugarh 173479, 181473, 473179
- .....
- (ii) Chattri near Butri 497158, 157498, 162497
- .....
- (iii) 3r 532193, 557192, 543192
- .....
- (iv) A prominent surveyed tree 552121, 549120, 556122
- .....
- (e) Name four man made features located in grid square 4713. [4]
- (i) ..... (ii) .....
- (iii) ..... (iv) .....
- (f) Name four natural features located in grid square 5315. [4]

- (i) ..... (ii) .....  
 (iii) ..... (iv) .....  
 (g) What do you understand by 3r in grid square 4713? [1]  
 .....  
 (h) How much area (in Kilometers) is covered by four grid squares in whose centre Makawal is located? [1]  
 .....

### EXERCISE - 3

- (a) What are the chief occupations of the people of this region? Give reasons for your answer. [4]  
 .....  
 .....  
 .....  
 (b) Give four-figure grid reference of the following types of the drainage pattern. [4]  
 (i) Trellis .....  
 (ii) Radial .....  
 (iii) Dendritic .....  
 (iv) Disappearing river .....  
 (c) (i) In which direction is SipuNadi flowing? [1]  
 .....  
 (ii) Give a reason for your answer. [1]  
 .....  
 (d) What is causeway marked in grid square 5418? [2]  
 .....  
 .....  
 (e) What social importance Marol has in the area and why? [2]  
 .....  
 .....  
 (f) (i) What do you understand by word R.F.? [1]  
 .....  
 (ii) What is the R.F. of this map? [1]  
 .....  
 (g) In which compass direction Pipliya (5418) lies from Marol (4919)? [1]  
 .....

- (h) What is the distance in meters of Makawal from Rampurakhera along the cart track? [1]  
.....
- (i) (i) Which type of land is not suitable for cultivation? [1]  
.....
- (ii) Give reason for your answer. [1]  
.....

#### EXERCISE - 4

- (a) Name the following found at the following grid references: [4]  
(i) 534125 .....  
(ii) 513159 .....  
(iii) 526187 .....  
(iv) 542198 .....
- (b) (i) Bhatana (4713) and Marol (4919) are two important settlement of this area. According to you which settlement is most important. [1]  
.....
- (ii) What facilities the settlement mentioned by you enjoys over the other settlement? [2]  
.....  
.....
- (c) What does the black line —•—•—•— in the southern part of the map means?[2]  
.....  
.....
- (d) (i) What is the chief source of irrigation used in this region? [1]  
.....
- (ii) What reason would you give for their presence in this region? [1]  
.....
- (e) What mode of transportation is used by the people of this area? [2]  
.....  
.....
- (f) What is the meaning of the following: [4]  
(i) Causeway .....  
(ii) Fairly dense Scrub .....  
(iii) Open mixed jungle .....  
(iv) Fair (monthly) .....
- (g) Which method is used to represent the scale of this map? [1]  
.....

.....  
(h) Name the other types of scales shown on this map. [2]  
.....  
.....

\*\*\*\*\*

## PART – VIII

**Study the extract of the Survey of India Map sheet No. G43S10, [Easting 56-64 and Northing 12-21] and answer the following questions:**

### EXERCISE - 1

(a) Give four figure grid reference of a Rocky knob. [1]  
.....

(b) Identify and describe the drainage pattern in grid square 6017. [2]  
.....  
.....

(c) What is the difference in the pattern of settlement between Vajna (6015) and Dhavli (5618)? [2]  
.....  
.....

(d) What is meant by Triangulated height? Is it more accurate than Spot height? [2]  
.....  
.....

(e) (i) What do the black dots along the borders of forest mean?  
.....

(ii) Why are there so many causeways along the metalled road? [2]  
.....

(f) What mode of transport and is used by the people of Dhavli village? [2]  
.....

(g) Calculate the distance along the metalled road between the milestone 16 (6313) and 119 (6014). Show your working. [2]  
.....  
.....

(h) (i) What is the compass direction of Dhavli from Kyariya?

.....  
(ii) To which direction is the stream in the North West part of the map is flowing? [2]  
.....

(i) (i) What is R.F.?

.....  
(ii) What is the R.F. of the map? [2]  
.....

(j) Give four figure grid references of the following landforms: [3]

(i) Ridge .....

(ii) Cliff .....

(iii) Saddle .....

## EXERCISE - 2

(a) Give the six figure grid reference of the highest peak. [1]  
.....

(b) Name two manmade features and also draw their conventional symbols shown in grid square 5618. [4]  
.....  
.....  
.....  
.....

(c) What do you mean by contours? By which colour are they shown on the map?[2]  
.....  
.....

(d) What type of drainage pattern do you find in the following grid squares: [3]

(i) 6012 .....

(ii) 5918 .....

(iii) 6220 .....

(e) (i) What is meant by the word Brackish in grid square 6317?

.....  
(ii) What do 8r in grid square 5912 mean? [2]  
.....

(f) Give the compass direction of SamrawakaGoliya (6118) from PalriKhera (5614). [1]  
.....



(g) If you walk from Sarliya (6020) to Patlawaka Goliya (6219), then calculate how many kilometers would you walk? [2]

.....

(h) What do the landforms in grid square 6013 indicate? [1]

.....

(i) Draw the conventional symbol of a dry tank with embankment. [1]

.....

(j) (i) Identify the symbol in G.S. 6019 where you find the number 269.

.....

(ii) What is the occupation of the people of Palrikhera?

.....

(iii) Identify the feature with black dots in G.S. 6014. [3]

.....

### EXERCISE - 3

(a) Give the six figure grid reference of a Prominent Surveyed Tree. [1]

.....

(b) (i) What is the difference in the occupation of the people living in the north western and northern eastern part of the map? [2]

.....

(ii) What pattern of settlement-compact or scattered- dominate the map? [1]

.....

(d) Name the various types of jungles found in this region. [2]

.....

(e) What is meant by Eastings and Northings? [2]

.....

(f) What do the green features in grid square 5715 indicate? [1]

.....

(g) What type of rainfall is experienced by the people of this region? Give a reason. [2]

.....

- .....
- (h) (i) Name the villages that are connected by the metalled road. [2]
- .....
- .....
- (ii) What does the number 20 in grid square 5714 indicate? [2]
- .....
- .....
- (i) (i) Identify the drainage pattern in grid square 6215.
- .....
- (ii) What is the green line along the green patch?
- .....
- (iii) What is 2r in G.S. 5817? [3]
- .....
- (j) Define the terms Rock outcrop and open scrub. [2]
- .....
- .....

#### EXERCISE - 4

- (a) Identify the conventional symbols in the following six figure grid reference: [4]
- (i) 591157 .....
- (ii) 583174 .....
- (iii) 579146 .....
- (iv) 629143 .....
- (b) Identify the type of slope in grid square 6217. [1]
- .....
- (c) Calculate the area in kilometers of the forested region enclosed by Eastings 58 to 60 and Northings 18 to 20. Show your working. [2]
- .....
- .....
- (d) (i) What is the contour value in grid square 5915?
- .....
- (ii) What is C.I.? What is the C.I. of the map? [3]
- .....
- .....
- (e) To which direction is the stream in the southern part of the map flowing? [1]

.....  
(f) What mode of transport is used by the people of Sarliya to go to PatlawakaGoliya? Why is there no metalled road? [2]  
.....  
.....

(g) (i) What occupation is carried out by the people of Fathehpura?  
.....  
.....

(ii) Other than the occupation mentioned above, mention what other two occupations are carried out by the people of this region? [3]  
.....  
.....

(h) (i) What is meant by causeway?  
.....  
.....

(ii) Give six figure grid reference of a causeway. [2]  
.....  
.....

(i) At what height is KaliaDungar situated? [1]  
.....  
.....

(j) What is meant by Brackish? [1]  
.....  
.....

\*\*\*\*\*

## PART – IX

**Study the extract of the Survey of India Map sheet No. G43S10, [Easting 64-72 and Northing 12-21] and answer the following questions:**

### EXERCISE - 1

(a) Give the meaning of the conventional symbols printed on the map of the following six figure grid references: [4]

(i) 697132 .....

(ii) 678196 .....

(iii) 689133 .....

(iv) 657173 .....

(b) What is the compass direction of HanumanjikaMandir from Gautam Maharishi Mandir? [1]  
.....  
.....

- (c) What mode of transport would one use to travel from Bageri (6613) to ShriVashishtAshram(6719)? [1]  
.....
- (d) (i) What do the word Falls 12m in grid square 6718 mean?  
.....  
(ii) How are they formed? [2]  
.....
- (e) What difference do you find in the southern and northern part of the map? [2]  
.....  
.....
- (f) Give four figure grid references of a concave slope and a ridge. [2]  
.....
- (g) Comment on the nature of the well in the grid square 6614. [1]  
.....
- (h) Calculate the area of land enclosed within Eastings 66 to 69 and Northings 14 to 17. Show your working. [2]  
.....
- (i) What is the drainage pattern in the following grid squares: [3]  
(i) 7017 .....  
(ii) 6613 .....  
(iii) 6714 .....
- (j) What is the difference between the blue circles in grid squares 6612 and 6912?[2]  
.....

## EXERCISE - 2

- (a) Give the six figure grid reference of  $\Delta$  1401. [1]  
.....
- (b) In which direction is the GomtiNadi in the south western part of the map flowing? Give a reason to support your answer. [2]  
.....  
.....
- (c) (i) What do you understand by the word sluice in grid square 6514?  
.....  
(ii) What is 6r in the same grid? [2]  
.....

- (d) What do the following indicate? [4]
- (i) 12r in grid square 6913 .....
  - (ii) Falls 15m in grid square 6718 .....
  - (iii) Rocky knob in grid square 6816 .....
  - (iv)  $\Delta$  1352 in grid square 6918 .....
- (e) Measure the distance in metres covered by the pack track in the SE part of the map. Show your calculations. [2]
- .....
- .....
- (f) What is the importance of the reservoir which is located the northern part of the map? [1]
- .....
- (g) What is the main occupation of the people of this region? Give a reason. [2]
- .....
- .....
- (h) Give four grid references for the following landforms: [3]
- (i) Ridge .....
  - (ii) Cliff .....
  - (iii) Concave slope .....
- (i) What is the compass direction of St. Mary's High School from Gautam Maharishi Mandir? [1]
- .....
- (j) What is the difference between Representative Fraction and Verbal Scale? [2]
- .....
- .....

### EXERCISE - 3

- (a) Give four figure grid references where you find a temporary and permanent hut. [2]
- .....
- .....
- (b) What is the general direction of slope of this region? Give a reason to support your answer. [2]
- .....
- .....
- (c) Is causeway a bridge? If not, then what is it? [2]

.....

.....

(d) Identify the slope in grid square 6916. [1]

.....

(e) What do the white patch in the stream in grid square 6912 indicate? [1]

.....

(f) What is the difference between red dotted lines in grid square 6615 and 6913?[2]

.....

(g) The number of lined perennial wells is very less in the south western part of the map. Give reason why? [2]

.....

(h) Give six figure grid reference of .501 near GhorawalaMarga and  $\Delta$  1401 near KuekaPahar. [2]

.....

(i) Define the following terms: [4]

(i) Falls .....

(ii) Sluice .....

(iii) Causeway .....

(iv) Rocky knob .....

(j) What do the blue circle in grid square 6612 mean? How is it different from the blue dots in grid square 6912? [2]

#### EXERCISE - 4


(a) Give four figure grid references where you find Palm trees. [1]

.....

(b) What is the area in kilometers covered by grid square 6715? [2]

.....

(c) What do the symbol in grid square 689133 mean? [2]

- .....
- (d) Give the highest and the lowest contour value of the map. [2]
- .....
- .....
- (e) (i) On which bank of GomtiNadi is Bageri situated?
- .....
- (ii) Identify the feature in grid square 6514 where sluice is written. [2]
- .....
- (f) Identify the landform in grid square 7014. Also mention the spot height. [2]
- .....
- .....
- (g) (i) What do you mean by the symbol  near St. Mary's High School?
- .....
- (ii) You find the word Protected Forest across the map. What does it mean? [2]
- .....
- (h) Calculate the distance in kilometres and in metres along the metalled road from HanumanjikaMandir to Mohanpura. Show your working. [2]
- .....
- .....
- (i) What type of settlement does Hetamji and Jhamar has? [2]
- .....
- .....
- (j) Give four figure grid references of the following: [3]
- (i) Saddle .....
- (ii) Embankment .....
- (iii) Canal .....

\*\*\*\*\*