

PRACTICE FOR TOPOSHEET NO. G43S7

PART - I

Study the extract of the Survey of India Map sheet No. G43S7, [Easting 21-30 and Northing 04 -12] and answer the following questions:

EXERCISE - 1

- (a) Give the six figure grid reference of- [2]
(i) Surveyed tree at Panthawada
(ii) Δ 224
- (b) What is the compass direction of MahudiMoti (2404) from Lakhnasar (2105)? [2]
.....
.....
- (c) What does the blue line passing through the main river indicate? What does it indicate about the type of rainfall? [2]
.....
.....
- (d) What do the black curved lines in grid square 2607 indicate? How are they formed? [2]
.....
.....
- (e) Measure the distance in kilometers along the metalled road between Kuchwada and Panthawada. [2]
.....
.....
- (f) What is C.I.? What contour height is shown in grid square 2707? [2]
.....
.....
- (g) What occupation is carried out by the people around Kuchawada? Give two reasons to support your answer. [3]
.....
.....

-
- (h) What is meant by the following? [2]
- (i) 15r in G.S. 2207
- (ii) 10r in G.S. 2709
- (i) (i) In grid square 2706, you find the word Lime Kiln. What does it mean? [1]
-
- (ii) What does the yellow and green colour on the map represent? [2]
-
-

EXERCISE - 2

- (a) Give the four figure grid reference of the village Rampura. [2]
-
-
- (b) (i) Which is the most important settlement in this area? [1]
-
- (ii) Give two reasons for its importance. [2]
-
-
- (c) Define Scale? State the scale given in the map extract. [2]
-
-
- (d) To which direction is the Sarvo Nala flowing? [1]
-
- (e) What is the distance in kilometers along the cart track from Santarwada to Mahudi Moti? Show your working. [2]
-
- (f) (i) What does the dark brown dots in the NW corner of the map represent? [1]
-
- (ii) How are they formed? [2]
-
-
- (g) What do 3r in grid square 2609 mean? [1]
-

- (h) What is the difference between the black square shown in grid square 2108 and blue squares in grid square 2508? [2]
-
- (i) Draw conventional symbols for the following appropriate colours: [2]
- (i) Cart Track
- (ii) Lime Kiln
- (j) What is meant by R.F.? What is the R.F. of the map? [2]
-
-

EXERCISE - 3

- (a) (i) Give the six figure grid reference of a Lime Kiln. [2]
-
-
- (ii) Identify the landform feature shown in grid square 2910. [1]
-
- (b) Calculate the area in square kilometers of the cultivated region enclosed by eastings 24 to 27 and northings 08 to 11. [2]
-
-
- (c) Give the meaning of the following conventional signs: [2]
- (i) The blue spot around Kuchawada.
-
- (ii) The irregular black lines in the north eastern part of the map.
-
- (d) Why is there no habitation in the North West corner of the map? [2]
-
-
- (e) In grid square 2208, there is a number 208. What does it mean? [1]
-
- (f) (i) What mode of transport would you use if you travel from Kuchawada to Panthawada? [1]
-
- (ii) What do the red dotted line in grid square 2408 indicate? [1]
-
-

- (g) (i) Express the meaning of 1:50,000 printed below the map extract? [1]

 (ii) What is the difference in height between the highest spot height and the contour height in grid square 2707 in the map extract? [1]

 (h) What type of rainfall is experienced in the region shown in the map extract? Justify your answer by giving two reasons. [3]

 (i) What is the compass direction of Panthawada from Panswala? [1]

 (j) (i) What do the following colours stand for: [1]
 (1) White
 (2) Yellow
 (ii) What does the number 172 in G.S. 2308 indicate? [1]

EXERCISE - 4

- (a) Give the six figure grid reference of the following: [2]
 (i) Temple near MahudiNani
 (ii) Dry Tank in 2308
 (b) (i) What do the brown line passing through grid square 2407 indicate? [1]

 (ii) In the same grid you find the number 200. What does it mean? [1]

 (c) Give a four figure grid reference of a jungle region and an open scrub. [2]

 (d) What is the difference in the drainage pattern shown in grid square 2806 and 2505? [2]

 (e) Measure the length of the main river in kilometers between grid square 2908 and 2704 from its centre. [2]

.....
(f) (i) In grid square 2408, you find the word 'Main power line'. What does it mean? [1]
.....

(ii) What do the black curve line in grid square 2406 indicate? [1]
.....

(g) If you travel by cart track from MahudiMoti to Panthawada, what physical features would you come across on your way? [2]
.....
.....

(h) (i) What type of settlement do you find in this map extract? [1]
.....

(ii) What mode of transport would you use to travel from Rampura (Panswal) (2809) to Rampura (2805)? [1]
.....

(i) Draw the conventional symbols of the following using appropriate colours: [2]

(i) Lined Perennial Well

(ii) Sand Dunes

(j) Mention one area unsuitable for agriculture? Give a reason. [2]
.....
.....

PART – II

Study the extract of the Survey of India Map sheet No. G43S7, [Easting 30-38 and Northing 04 -12] and answer the following questions:

EXERCISE - 1

(a) Give the six figure grid reference of the triangulated height marked on the western part of the map. [1]
.....

(b) What difference do you find in the settlement pattern of Kuchawada and MahudiNani? [1]
.....

(c) What does the word (*Lime*) found in G.S. 2808 mean? [1]

.....
(d) Give geographical terms for the following: [2]

(i) "The vertical distance between two successive contour lines that remains constant throughout the map."
.....

(ii) The ratio between distance on the map and corresponding distance on the actual ground.
.....

(e) (i) Mention the value of the highest and the lowest spot height marked on this map. [2]
.....

.....
(ii) What is the contour value of the contour line in G.S. 2309? [1]
.....

(iii) What does the number 175 written along the metalled road in G.S. 2510 mean? [1]
.....

(f) What does the black dotted line in grid square 2710 mean? [1]
.....

(g) Give a four figure grid reference where you find the following: [4]

(i) a saddle

(ii) broken ground

(iii) Lime kiln

(iv) Covered tank

(h) Name two occupations of the people of this region. Give a reason to justify your answer. [3]
.....
.....
.....

(i) What is the compass direction of Panswala from Panthawda? [1]
.....

(j) Measure the area of this region in square kilometers. Show your calculations. [2]
.....
.....

EXERCISE - 2

- (a) Give the six figure grid reference of the lined perennial well situated in the southern part of Santarwada. [1]
.....
- (b) What is the difference between Δ 208 (2208) and .244 (2707)? [2]
.....
- (c) (i) What is the general nature of the relief in this region? [1]
.....
(ii) What does the red dash lines in G.S. 2408 indicate? [1]
.....
- (d) Measure the distance in metres and kilometers along the cart track between MahudiMoti and Santarwada. [2]
.....
- (e) To which direction is the river shown in the map flowing? Give evidence to support your answer. [2]
.....
- (f) Identify the drainage pattern in grid square 2408 and 2606. [2]
.....
- (g) What occupation is carried out by the people of Kuchawada? Why? [2]
.....
- (h) The north western region of the map is covered with a large number of brown lines. [2]
(i) What do these brown lines indicate?
.....
(ii) What does it indicate about the nature of the relief in this region?
.....
- (i) Identify the direction of the flow of SarvoNala. [1]
.....
- (j) With reference to Panthawada, answer the following questions: [4]
(i) What do you infer about the religion of the people of Panthawada from its buildings and structures?
.....

(ii) Name the villages with which Panthawada is connected through metalled roads.

(iii) What occupation is carried out by the people in this area?

(iv) Mention two facilities enjoyed by the people of Panthawada.

EXERCISE - 3

(a) Briefly explain the meaning of the conventional signs given in the following six figure grid references: [4]

(i) 216083

(ii) 258086

(iii) 285094

(iv) 239054

(b) (i) Give the six figure grid reference of the temple located in Santarwada.

(ii) What mode of transport is used by the people of Mahudi Moti to reach Rampura? [2]

(c) Give the meaning of 15r shown in grid square 2207. [1]

(d) (i) What is the meaning of 1: 50,000 printed below the map extract?

(ii) Define the term mentioned in part (i) above. [2]

(e) What is the area in square kilometres of the cultivated region enclosed by vertical grid lines 24 and 26 and the horizontal grid lines 10 and 12? [2]

(f) In grid square 2305, what is the difference between the blue and red squares? Explain it. [2]

(g) Name the two sources of irrigation in the region. [2]

-
- (h) Which religion do the people of Santarwada follow? Give a reason. [2]
-
-
- (i) Measure the length in metres and kilometers along the cart track between MahudiMotiand MahudiNani. [2]
-
-
- (j) Define the term Causeway. [1]
-

EXERCISE - 4

- (a) Calculate the distance along the pack track between the point at 238100 and 249120. [2]
-
-
- (b) What is a Scale? Mention the different types of scales. [3]
-
-
-
- (c) What pattern of settlement Kuchawada is? [1]
-
- (d) There is no habitation in the North West part of the map. Give a reason why? [1]
-
- (e) Identify the landform in grid square 2910. [1]
-
- (f) What is the occupation of the people living in Panswala? Give two reasons to support your answer. [2]
-
-
- (g) What does r stand for? How does it differ from Δ ? [2]
-
-
- (h) (i) To which direction are the streams in grid square 2607 flowing?

.....
(ii) Calculate the length of the SarvoNala in kilometres from the point 235100.

.....
(iii) What is the difference between the contour heights in grid squares 2805 and 2707? [3]
.....

(i) (i) Give the six figure grid reference of $\Delta 208$.
.....

(ii) Name one man made and one natural feature in grid square 2310.
.....

(iii) What type of settlement is Ganodara? [3]
.....

(j) What is the total area of the actual ground represented in the map extract? Show your working. [2]
.....
.....

PART - III

Study the extract of the Survey of India Map sheet No. G43S7, [Easting 38-46 and Northing 04 -12] and answer the following questions:

EXERCISE - 1

(a) Give four man made features marked in grid square 4410. [4]

(i)..... (ii)

(iii) (iv).....

(b) Give four natural features marked in grid square 4104. [4]

(i) (ii)

(iii) (iv).....

(c) What is the area in kms. Covered by Eastings 42 to 44 and Northings 07 to 09? [1]
.....

(d) What do you understand by this conventional symbol appearing —•— in square 4105? [1]
.....

- (e) Give four figure grid reference for the following: [4]
 (i) Convex Slope
 (ii) Concave Slope
 (iii) Cliff
 (iv) A Ridge
- (f) Identify the drainage pattern in the following grid squares: [3]
 (i) 4408
 (ii) 4107
 (iii) 3905
- (g) In what way does the settlement pattern in square 3804 differ from the settlement pattern in square 4410. [2]

- (h) Give compass direction and bearing direction of Vavdhara (GS4004) from $\Delta 284$ (G.S.3807) [1]

EXERCISE - 2

- (a) (i) In which direction is Dholva Nadi flowing? [1]

 (ii) Give a reason for your answer. [1]

- (b) Give the value of the highest and lowest contour height marked on this map. [2]

- (c) (i) Which is the most important occupation of the people of this region? [1]

 (ii) Give a probable reason for your answer. [1]

- (d) What do you understand by Causeways in G.S.4206? [1]

- (e) Give four figure grid reference of various types of forests found in this region. [3]

- (f) What is the value of the contour in grid square 4211? [1]

-
- (g) What mode of transport would you use to travel from the Village Deri (G.S.3804) to Vavdhara (4004)? [2]
-
- (h) What are eastings? [1]
-
- (i) What are northings? [1]
-
- (j) What do you understand by C.I.? [1]
-
- (k) What is the difference between the mode of transport in G.S.4308 and G.S.4008? [1]
-
- (l) What do you understand by word R.F. written on the map? [1]
-
- (m) Divide the region into three physical divisions based on the relief features. [2]
-
-

EXERCISE - 3

- (a) What is the six figure grid reference of the following features: [4]
- (i) Temple near Padar
- (ii) Δ 284
- (iii) Covered Tank near Vavdhara
- (iv) Unlined well at Methipura
- (b) Identify the relief feature in G.S. 4505. [1]
-
- (c) Calculate the distance in kilometres along the metalled road between Methipura (425049] and Dhibri (429068). [2]
-
-
- (d) What mode of transport is used in G.S. 4211? [1]
-
- (e) Identify the type of slope in G.S. 4504. [1]
-
- (f) What do the small brown circles in G.S. 4510 indicate? [1]
-
-

(g) What is the difference between the two arched shaped features in G.S. 4206 mean? [2]

.....
.....

(h) Name the type of settlement Methipura is? [1]

.....
.....

(i) What is the compass direction of: [2]

(i) Δ 284 near Methipura

(ii) Vavdhara from Anvilya

(j) (i) In which direction is DhovlaNadi flowing? [2]

.....
(ii) Give a reason to support your answer.

.....
(k) Identify the drainage patterns in the following grid squares: [2]

(i) 4107

(ii) 4408

(l) Define the term Causeway. [1]

.....
.....

EXERCISE - 4

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

(i) Settlement Anvilya

(ii) Spot height 303 in NW part

(iii) Chattri near Dhibri

(iv) Δ 349 in northern part of the map

(b) Identify the drainage patterns in the following grid squares: [4]

(i) 4308

(ii) 4107

(iii) 4506

(iv) 3810

(c) What is the compass direction of Vavdhara from: [3]

(i) Dhibri

(ii) Deri

(iii) Anvilya

(d) What is the distance along the pack track between the six figure grid reference of 417110 and 4000082? Calculate in kilometres. [2]

.....
.....

(e) Give a four figure grid reference of a meander. [1]

-
- (f) What is the meaning of .347 in G.S.4405? [1]
-
- (g) What do you understand by 240 in G.S.4009? [1]
-
- (h) Identify the relief features in extreme right side of G.S. 3908. [1]
-
- (i) There are too many causeways seen in the map.What do they indicate? [2]
-
-
- (j) What do the green patch dominantly seen in the map mean? [1]
-

PART – IV

Study the extract of the Survey of India Map sheet No. G43S7, [Easting 21-30 and Northing 94-04] and answer the following questions:

EXERCISE - 1

- (a) Give six figure grid references of the following: [4]
- (i) Lime kiln
- (ii) Settlement Kotha
- (iii) Δ 168
- (iv) 25r
- (b) What does 25r in grid square 2798 indicate? [1]
-
- (c) What are broken grounds? How are they formed? [2]
-
-
- (d) Measure the length of the Sipu River in kilometers from the six figure grid reference 265020 to 222980. [2]
-
-
- (e) What do the black dotted line in grid square 2298 mean? [1]
-

- (f) What is the compass direction of Bhakodar from Jorapura? [1]
.....
- (g) Identify the drainage patterns in grid squares 2698 and 2898. [2]
.....
.....
- (h) Name the different types of vegetation found in this region. [2]
.....
- (i) What do the arrow in grid square 2399 indicate? To which direction is the Sipuriver flowing? [2]
.....
.....
- (j) Give the four figure grid reference of the following: [3]
(i) Dense jungle
(ii) Aqueduct
(iii) Sluice

EXERCISE - 2

- (a) Give the meaning of the following terms- [4]
(i) Sheet Rock
(ii) Lime Kiln
(iii) .25r
(iv) Sluice
- (b) Give a four grid reference of a meander. [1]
.....
- (c) (i) What is C.I.? What contour interval is shown in the map? [2]
.....
.....
(ii) Differentiate between Spot height, Triangulated height and Relative height.
.....
.....
- (d) What is a statement scale? Give the statement scale of this map. [1]
.....
- (f) What is the difference in the dotted line given in grid square 2495 and 2296? [2]
.....
.....

- (g) What is the area in square kilometers of the region enclosed by eastings 23 and 25 and northings 96 and 98? [2]

- (h) What does 21r in grid square 2501 indicate? [1]

- (i) What do the small dots in the course of the Sipu River indicate? [1]

- (j) (i) To which direction is the SarodNala flowing?

 (ii) Identify the drainage patterns of the following grids: [2]
 1. 2698
 2. 2895

EXERCISE - 3

- (a) Give the four figure grid reference of the villages situated on the right bank of the Sipu River. [3]

- (b) (i) Give the six figure grid reference of the lined perennial well located on the North West part of Nandotra. [1]

 (ii) Give the six grid reference of the surveyed tree near the Godh. [1]

- (c) Describe the course of the Sipu River. [2]

- (d) What does the large number of broken lines along the rivers indicate? [1]

- (e) (i) What is R. F.? [2]

 (ii) Calculate the R.F. if the scale given is 4 cm. = 2 km.

- (f) What do the white patches along the SarodNala indicate? [1]

-
- (g) Explain the terms- Aqueduct, Causeway and Sluice. [3]
-
-
- (h) Measure the distance in kilometers along the metalled road between Agdol and Kotha. [2]
-
-
- (i) (i) What is the chief occupation of the people of this region?
-
- (ii) Give a reason to support your answer. [2]
-
-
- (j) (i) You find a blue line passing through the Sipu river where as it is not seen in SarodNala. Why? [1]
-
- (ii) What does the big blue patch on the North eastern part of the map indicate?[1]
-

EXERCISE - 4

- (a) Explain the meaning of: [4]
- (i) Open scrub in grid square 2399.
-
- (ii) 180 in grid square 2799.
-
- (iii) ● in grid square 2600.
-
- (b) If you travel along the cart track from Bhakodar to BhadliKotha, what physical features would you come across on your way? [2]
-
-
- (c) Identify the features given in the following six figure grid squares- [4]
- (i) 284986
- (ii) 266018

(iii) 235964

(iv) 291956

(d) What do black curve lines along SarodNala indicate? How are they formed? [2]

.....

(e) What is the general direction of the slope in this area? [1]

.....

(f) Differentiate between the drainage pattern shown in grid square 2698 and 2800. [1]

.....

(g) What do you understand by the double black line seen in grid sq. 2403 mean?[1]

.....

(h) Draw the conventional signs for the following using proper colours- [2]

(i) A prominent surveyed tree.

(ii) Lined perennial well.

(i) Measure the length in kilometers of the blue line from the point 220006 to the point 256026. Show your working. [2]

.....

.....

(j) What do the black dots in Banas River indicate? [1]

.....

PART - V

Study the extract of the Survey of India Map sheet No. G43S7, [Easting 30-38 and Northing 94-04] and answer the following questions:

EXERCISE - 1

(a) What is the difference between $\Delta 198$ and .222? [2]

.....

.....

(b) What do the blue dots scattered in the NW part of the map indicate about the occupation of the people? [1]

.....

- (c) (i) Give the six figure grid reference of $\Delta 307$. [1]

 (ii) What does 3r in grid square 3501 indicate? [1]

 (iii) Define the term Causeway. [1]

- (d) What is the general direction of the slope in the SW part of the map? [1]

- (e) Identify the land form in the following grid squares: [2]
 (i) 3796
 (ii) 3697
- (f) What important cultural activity takes place near village Lukho (3700)? [1]

- (g) (i) What is meant by the black curve lines in grid square 3501? [1]

 (ii) What is the direction of VarkaNadi? [1]

 (iii) What does the blue line passing through the VarkaNadi indicate? [1]

- (h) Give a four figure grid reference where you find the following landforms: [3]
 (i) Concave slope
 (ii) Saddle
 (iii) Cliff
- (i) Name two man made features in grid square 3401. [2]

- (j) (i) What is the difference between the numbers 200 in G.S. 3298?
 (ii) Identify the drainage patterns in G.S. 3796 and G.S. 3399. [2]

EXERCISE - 2

- (a) Name the various types of vegetation found in this region. [2]

- (b) Measure the length in meters of the pack track found in the southern part of the map near Vedavas. [2]
-
-
- (c) What do the three lines drawn in brown, black and red indicate? [3]
-
-
- (d) Give the six figure grid reference of the dense jungle found in the southern part of the map. [1]
-
- (e) Identify the drainage pattern in grid square 3295. [1]
-
- (f) (i) What type of settlement is Juvol?
-
- (ii) How is it different from the settlement Ranol?
-
- (iii) What makes Ranol an important settlement? [3]
-
- (g) (i) To which direction is the Arado N flowing?
-
- (ii) What type of stream does it indicate? [2]
-
- (h) Mention the six figure grid reference of the following features: [2]
- (i) Chattri near Talenagar
- (ii) Surveyed tree near Malpuriya
- (i) In which part of the map you find most of the cultivated land? Give reasons for your answer. [2]
-
-
- (j) Identify the landforms from the following statements- [2]
- (i) Contour lines are drawn far apart on the higherside and close towards lower side.
-
- (ii) Contours are drawn close on the higher side and far apart at the lower side.

.....

EXERCISE - 3

- (a) Identify the landforms in grid square 3701 and 3096. [1]
.....
- (b) Mention the highest point in the area and four figure grid square where it is located. [2]
.....
.....
- (c) What do 5r in grid square 3196 indicate? [1]
.....
- (d) What is the main source of irrigation in this region? Give a reason. [2]
.....
.....
- (e) (i) Give the compass direction of Dhaneri from Odha.
.....
(ii) Calculate the distance in kilometres and metres along the metalled road from Dhanawada to Ranol. [2]
.....
- (f) Calculate the area in square kilometers of the forested region enclosed by Eastings 32 and 34 and Northing 98 and 00. [2]
.....
.....
- (g) What is the difference in the pattern of settlement between Juvol and Ranol? [1]
.....
.....
- (h) Identify the drainage pattern in the following grid squares: [4]
(i) 3495
(ii) 3799
(iii) 3201
(iv) 3700
- (i) (i) What does the blue line in VarkaNadi indicate? [1]
.....
(ii) What does it indicate about the type of rainfall received by this region? [1]

-
- (j) Give four figure grid references of the following: [3]
- (i) A dry tank.
- (ii) Steep slope.
- (iii) Broken ground.

EXERCISE - 4

- (a) What do the red squares in grid square 3497 mean? [1]
-
- (b) Name the two modes of transport used by the people of this region. [2]
-
- (c) How many kilometers would you cover on the ground if you walk from Dhaneri to Marwada? [2]
-
- (d) Name the different types of jungles found in this mapped region. [2]
-
- (e) What do the following colours represent? [4]
- (i) Green
- (ii) White
- (iii) Yellow
- (iv) Blue
- (f) To which direction are the streams in the northern most part of the map flowing? [1]
-
- (g) Mention two natural and two man-made features in grid square 3300. [4]
-
- (h) Give the six figure grid reference of Δ 592 and .522 [2]
-
-

(i) Calculate the length and breadth of the map and find its area. [1]

.....
(j) In grid square 3295, you find equally spaced trees, why? [1]

.....

PART - VI

Study the extract of the Survey of India Map sheet No. G43S7, [Easting 38-46 and Northing 94-04] and answer the following questions:

EXERCISE - 1

(a) What are the conventional signs, located at the points, the six figure grid references of which are- [4]

(i) 398952

(ii) 405989

(iii) 417998

(iv) 451005

(b) (i) What is the difference between the northern and southern part of the map? [2]

.....

(ii) In which part of the map agriculture is dominantly carried out? [2]

.....

(c) The habitation is sparse in this area, give two reasons, why? [2]

.....

.....

(d) To which direction is the KhariyaNadi flowing? [1]

.....

(e) What do the red arrows shown in grid square 4000 mean? [1]

.....

(f) Measure the distance (in kilometers) along the pack track between Khara (4097) and the point 394950. [2]

.....

.....

- (g) What pattern of settlement does Vaghoriya has? [1]
.....
.....
- (h) Which religion do the people of Khara follow? Give a reason to support your answer. [2]
.....
.....
- (i) Mention the highest point in the region and also give its four figure grid reference. [2]
.....
.....
- (j) What do the small black dots in Banas River indicate? [1]
.....

EXERCISE - 2

- (a) Give a four figure grid reference of a Col. [1]
.....
.....
- (b) What type of rainfall is experienced by the people of this region? Give a reason. [2]
.....
.....
- (c) Name the different types of vegetation found in this region. [3]
.....
.....
.....
- (d) (i) What do the black curve lines in grid square 4094 mean?
.....
(ii) How are they formed? [2]
.....
.....
- (e) What is the compass direction of Karja from Khara? [1]
.....
- (f) Identify the drainage patterns in the following grid squares and define them- [3]
(i) 4599
(ii) 4001
(iii) 4295

(g) (i) In which direction is KhariyaNadi flowing?

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

.....
(h) (i) What do you understand by the term R. F.?

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

.....
(i) What mode of transport is used by the people to travel from the village Manpuriya to Khara? [1]

.....
(j) Define the terms: [3]

(i) Causeway

(ii) Open Scrub

(iii) Spot Height

EXERCISE - 3

(a) What does the symbol Δ in grid square 3995 mean? [1]

.....
(b) Give the four grid reference for the following: [4]

(i) Concave slope

(ii) Convex slope

(iii) Cliff

(iv) Ridge

(c) What do 3r in grid square 4001 mean? [1]

.....
(d) (i) What do the vast white patch in the southern part of the map mean?

.....
(ii) What is the occupation of the people of Vaghoriya? [2]

.....
(e) What does the arrow in the Banas River indicate? [1]

.....
(f) Give six figure grid reference of the temple closer to Manpuriya? [1]

.....
(g) What is the difference in the landforms shown in grid square 4295 and 4294? [2]

.....

-
- (h) (i) What is the difference between the numbers 268 (3995) and 285 (3996)?
.....
- (ii) Define each terms mentioned in (i). [3]
.....
- (i) Name two natural features and two man made features in grid square 4197. [4]
.....
.....
- (j) What do the red dash lines in grid square 4099 mean? [1]
.....

EXERCISE - 4

- (a) What do you understand by NGR? [1]
.....
- (b) Give four figure grid references of the various types of forests found in this region. [3]
.....
.....
- (c) What is the difference between the black dashed line (—•—•—) in grid square 4202 and black dotted line (.....) in grid square 4101? [2]
.....
.....
- (d) What does the blue line shown in the Banas River indicate? [1]
.....
- (e) Give the compass direction of Jasor Hill from Vaghoriya. [1]
.....
- (f) Mention the three ways of measuring distance on the map. [3]
.....
.....
.....

(g) What do you understand by the blue circled dots shown in grid square 4098?
What is its purpose? [2]

.....
.....

(h) Give a four grid reference of a Saddle and a Col. [2]

.....
.....

(i) (i) What is the significance of colours used on a topographical map?

(ii) Draw the symbols of a Permanent Hut and a Temple. [3]

.....
.....

(j) What is the difference between the red squares and red outline squares in G.S.
4099? [2]

.....
.....

PART – VII

**Study the extract of the Survey of India Map sheet No. G43S7, [Easting 21-30
and Northing 85-94] and answer the following questions:**

EXERCISE - 1

(a) Name the man made or natural feature found on the following grid references.[4]

(i) 212894

(ii) 256908

(iii) 254904

(iv) 256898

(b) Give six figure grid reference for the following: [4]

(i) Relative height 10r in southern part of map

(ii) Δ 317

(iii) Temple near Lodpa

- (iv) Settlement Vaghol
- (c) Define the terms : [4]
- (i) Aqueduct
- (ii) Stone quarry
- (iii) Causeway
- (d) What do you understand by black dish lines in square 2385? [1]
-
- (e) What will be the main source of irrigation in future in the south of Banas River?[1]
-
- (f) Why are there no wells in the south of Banas River? Give probable reason for your answer. [1]
-
- (g) (i) Which is the chief mode of transport used in this region? [1]
-
- (ii) Why are there no metalled road in this region? [1]
-
- (h) (i) What do you understand by word 'dep' is square 2786? [1]
-
- (ii) How is it formed? [1]
-
- (i) Why is the word "Mainpower Line" written in grid square 2486? [1]
-

EXERCISE - 2

- (a) (i) What do you understand by broken lines along the bank of Banas River?[1]
-
- (ii) What is the probable cause of its formation? [1]
-
- (b) Name three important occupations of the people of this region and give evidence in support of your answer. [3]
- (i)
- (ii)
- (iii)
- (c) Give four figure grid reference of the highest point of this region. [1]
-

- (d) On which bank of the Banas River is Vasda situated? [1]
.....
- (e) Name four man made features in grid square 2892. [4]
(i)
(ii)
(iii)
(iv)
- (f) Name the four natural features in grid square 2291. [4]
(i)
(ii)
(iii)
(iv)
- (g) What is the distance in kms along the cart track between Bhakar and Mahadevpura? Show your working. [2]
.....
.....
.....
- (h) Give a geographical term for each of the following:
(i) "An imaginary line shown on the map joining places of equal height above the mean sea level." [1]
.....
(ii) "Difference in the value of the two successive contours shown on the given map." [1]
.....
- (i) In which part of the map do you find Sand dunes? [1]
.....

EXERCISE - 3

- (a) (i) In which direction is the main river flowing? [1]
.....
(ii) Give evidence to support your answer. [1]
.....
- (b) (i) What is the chief occupation of the people of this region? [1]
.....
(ii) Give a reason for your answer. [1]

-
- (c) What is the distance in kilometers and meters between Temple at Sikariya and Temple in G.S.2590 along the cart track? [1]
-
- (d) (i) What is the direction of the general slope of the land in the South of the main river? [1]
-
- (ii) Give a reason to support your answer. [1]
-
- (e) (i) "Southern region of the map has different type of drainage pattern than the Northern region." Identify the drainage pattern of the southern region. [1]
-
- (ii) Give reasons for the formation of this type of drainage pattern in the southern region. [2]
-
- (f) (i) What is the meaning of word 'Dep'? [1]
-
- (ii) Why are there so many 'dep' in the Southern part of the map? [1]
-
- (g) (i) In your opinion, which type of rainfall does this region receive heavy, moderate, or low? [1]
-
- (ii) Give a reason to support your answer. [2]
-
-
- (h) (i) Give four figure grid reference of a conical hill. [1]
-
- (ii) Name the type of drainage pattern around $\Delta 317$. [2]
-
-
- (i) What is the compass direction of Vasda from Bhakar? [1]
-
- (j) In what way does the settlement pattern of Vaghol (GS2988) differ from the settlement pattern of Kheda (G.S.2589) [1]
-

EXERCISE - 4

- (a) Which man made or natural feature do you find at the following grid references?[4]
- (i) 258862
 - (ii) 243931
 - (iii) 277904
 - (iv) 263887
- (b) Give six figure grid reference of the following: [4]
- (i) Traingulated height $\Delta 168$ in the NW corner
 - (ii) Chhatra at Kheda
 - (iii) Temple in the southern part of the map near .178
 - (iv) .14r in the extreme SW corner
- (c) There are equally spaced trees in the north eastern part of the map.
- (i) What reason will you give for their location? [2]
.....
.....
 - (ii) In what way are these useful to that region? [2]
.....
.....
- (d) (i) What do you understand by white patch in the grid square 2894? [1]
.....
- (ii) How is it formed? [1]
.....
- (e) (i) What is the chief mode of transport used by the people of this region? [1]
.....
- (ii) Why the mode of transport mentioned by you is the only source of transport? [1]
.....
- (f) What is the scale of this map? Convert it to cm = km scale. [2]
.....
.....
- (g) What is the distance across the map in : [2]
- (i) In Kilometers
 - (ii) In Meters

PART – VIII

Study the extract of the Survey of India Map sheet No. G43S7, [Easting 30-38 and Northing 85-94] and answer the following questions:

EXERCISE - 1

- (a) Give the four figure grid reference of the village Ranavas. [1]
.....
- (b) Mention the six figure grid reference of the following: [4]
(i) Covered tank near Ramsida
(ii) Temple at Ranavas
(iii) Δ 192
(iv) Chattri near Ramsida
- (c) What is the bearing of Ramsida (3289) from NaniBhatamal(3691)? [1]
.....
- (d) (i) In the south eastern part of the map you find a large number of blue dots. What do they mean? [1]
.....
(ii) What does it indicate about the occupation of the people? [1]
.....
- (e) Calculate the length of the unmetalled road in kilometers seen in the southern part of the map. [2]
.....
.....
- (f) (i) What is meant by Dep.? [1]
.....
(ii) How is it formed? [1]
.....
- (g) What is the difference in the settlement pattern of Ranavas and Bhutedi? [2]
.....
.....
- (h) What do the numbers 180 and 186 in grid square 3590 mean? [2]
.....
.....
- (i) (i) In grid square 3188, 20r is written. What does 'r' mean? [1]
.....
(ii) What is the compass direction of Sangla from Aked? [1]
.....

.....
(iii) Identify the drainage pattern in G.S. 3291. [1]
.....

(j) (i) What is the blue line passing through the river flowing in the northern part of the map indicate? [1]
.....

(ii) What does the brown patch in the southern part of the map mean? [1]
.....

(iii) What do the red line passing through grid square 3488 indicate? [1]
.....

EXERCISE - 2

(a) How far is Lunva from Bhutedi? [2]
.....
.....

(b) Give the six figure grid reference of Δ 216. [1]
.....

(c) Give the names of the other two types of scale except RF. [2]
.....
.....

(d) Name two man made features and two natural features in grid square 3487. [4]
.....
.....
.....

(e) If you walk along the cart track from Bhutedi to Ranavas, what physiographical features would you come across? [4]
.....
.....
.....

(f) Explain the meaning of Dep shown in grid square 3690. [1]
.....

(g) What is the blue patch found on the northern part indicate? [1]
.....

(h) Draw the conventional symbols using appropriate colours of the following: [3]
(i) Temple

- (ii) Trees
 (iii) A surveyed tree.
- (i) What does the black line passing through the Akedi settlement mean? [1]

- (j) What do the red dotted line in grid square 3691 mean? [1]

EXERCISE - 3

- (a) Give the four figure grid reference of the natural tank located near Sangla. [1]

- (b) (i) What do the small green features shown in G.S. 3091 indicate? [1]

 (ii) What occupation is carried out by the people in the south eastern part of the map? [1]

- (c) Identify the drainage pattern in grid square 3091. [1]

- (d) (i) What do the brown patches in grid square 3488 mean? [1]

 (ii) What do the 17r and red squares in the same grid mean? [2]

- (e) Calculate the area of the land represented by the map extract. [2]

- (f) What do you understand by the term scale? What is the scale of the given map extract? [2]

- (g) (i) What inferences can be drawn about the occupation of the people of Ranavas? [1]

 (ii) Give one reason to justify your answer. [1]

- (h) (i) What do the brown lines in grid square 3291 mean? [1]

(ii) What is the value of the line? [2]

.....
.....

(i) (i) Identify the drainage pattern around Ramsida (3190). [1]

.....
(ii) What does black dotted patch in G.S. 3387? [1]

.....
(iii) What is the difference between the settlement patterns in G.S.3591 and G.S. 3592? [2]

.....
.....

(j) What does the symbol ■ indicate? [1]

.....
.....

EXERCISE - 4

(a) (i) What does 8r in grid square 3789 mean? [1]

.....
(ii) Mention the highest peak in the map. Also mention its height. [1]

.....
(b) (i) What do the black dots in the Banas River in the north indicate? [1]

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

.....
(c) Give six figure grid references of the following: [4]

(i) Temple situated at Sangla

(ii) Chattri at Badarpura

(iii) Covered tank near Ramsida

(iv) Surveyed Tree in G.S. 3787

(e) Name the villages linked with the settlement Bhutedi by cart tracks. [2]

.....
.....

(f) The area experiences seasonal rainfall. Give three evidences to justify the statement. [3]

.....
.....

-
- (g) Which height is more accurate-Δ 216 or .216? [1]
-
- (h) What is the black line with circles in between the line mean? [1]
-
- (i) What is the compass direction of: [3]
- (i) Sangla from MotiBhatawal
- (ii) Badarpura from Akedi
- (iii) Ranavas from Sangla
- (j) (i) What do the black dots in grid square 3685 indicate? [1]
-
- (ii) In G.S. 3590, you find the word Dep. What does it mean? [1]
-

PART – IX

Study the extract of the Survey of India Map sheet No. G43S7, [Easting 38-46 and Northing 85-94] and answer the following questions:

EXERCISE - 1

- (a) Give six figure grid reference of the settlement Arniwada. [1]
-
- (b) (i) To which direction is the BalramNadi flowing? [1]
-
- (ii) On which bank of river Banas is the BalramNadi joining? [1]
-
- (c) Calculate the length of the railway line in kilometers and meters. Show your calculation. [2]
-
-
- (d) (i) Name the most important settlement. [1]
-
- (ii) What advantages does it have over the other settlements? [2]
-

.....
(e) Name the geographical feature represented by the brown dots in the central region of the map. How are they formed? [2]
.....

.....
(f) In grid square 4187, there is the number 271. What does it indicate? [1]
.....

(g) What difference do you find in the drainage pattern in grid square 4086 and 4087? [2]
.....

.....
(h) What does 'causeway' in grid square 4188 mean? [2]
.....

.....
(i) Write the full form of the following: [4]

(i) BM

(ii) RS

(iii) NH14

(iv) 9r

(j) Name the prominent land form in grid square 3985. [1]
.....

EXERCISE - 2

(a) Name two manmade and two natural features in grid square 4285. [2]
.....
.....

(b) Give a reason why the streams in grid square 3989 does not join the river? [1]
.....

(c) Draw the conventional symbols using appropriate colours: [3]

(i) Metalled Road.

(ii) Railway Line.

(iii) Cart track

(d) Give the six figure grid reference of the Railway Station (RS). [1]
.....

(e) In grid square 3986 and 4491, the numbers 220 and 200 are written respectively. [3]

(i) What do they indicate?

.....
(ii)What is the difference in the value between the numbers 220 and 200?
.....

(iii) Does this difference remain constant throughout the map?
.....

(f) (i) Of all the settlements in the map which settlement has communication facility? [1]
.....

(ii) Give evidences to support your answer. [1]
.....

(g) What do the following mean? [4]
.....

(i) Δ 364 in grid square 4086

(ii) .269in grid square 3985

(iii) 10r in grid square 4186

(iv) Dep in grid square 3990

(h) What is the compass direction of the temple (4285) from the chattri (4185)? [1]
.....

(i) Name the railway zone in which the railway station located in the south eastern part of the map belongs? [1]
.....

(j) (i) What does the broken lines along the Banas River and BalramNadi indicate? [1]
.....

(ii) How are they formed? [1]
.....

EXERCISE - 3

(a) Give six figure grid reference of the temple situated at Pirojpura. [1]
.....

(b) In grid square 4485, you find BM 225.3 written. What does it mean? [2]
.....

(c) Name the different modes of transport used by the people of this region. [2]
.....

(d) Calculate the distance along the cart track in kilometers from Karja to Rampura.[2]
.....

-
- (e) Name four man made features in grid square 4586. [2]
-
-
- (f) What economic activity is carried out by the people of village Antroli? Give a reason to support your answer. [2]
-
-
- (g) Identify the landform in grid square 4287 and 4492. [2]
-
-
- (h) What does 16r in grid square 3887 mean? [1]
-
- (i) (i) What do the geographical feature represented by the white patches in the Banas River indicate? [1]
-
- (ii) How are they formed? [1]
-
- (j) What do you understand by the following terms- [4]
- (i) Scale
- (ii) Causeway
- (iii) Dep.
- (iv) Open scrub

EXERCISE - 4

- (a) Give the four figure grid reference of a saddle. [1]
-
- (b) How far is Pirojpura from Chitrasani Railway Station? Show your calculation in kilometers. [2]
-
-
- (c) What is the general land use pattern of the area? Give one reason to justify your answer. [2]
-
-

(d) What do the blue circles in grid square 4386 and 3988 indicate? What are they used for? [2]

.....
.....

(e) (i) Give the six figure grid reference of the confluence of Banas River and Balram Nadi. [1]

.....

(ii) What do the black curve line in grid square 4191 indicate? How are they formed? [2]

.....
.....

(f) During which months would this region receive rainfall? [2]

.....
.....

(g) (i) What is meant by R.F.? [1]

.....

(ii) Calculate the R.F. if the scale given is 5cm. = 1km. [2]

.....
.....

(h) What does the number 336 in grid square 4385 mean? [1]

.....

(i) What type of vegetation is found in this region? Why? [2]

.....
.....

(j) What is the difference between spot height and relative height? [2]

.....
.....
