Tender Heart High School Sector 33B Chd Topographical maps(Revision). Geography. Class 10 08.07.2024. Mini Arora Sample Toposheet No. 1 (Solved) Study the extract of the Survey of India Map sheet No. G43S7 (Printed on Page 4) and answer the following questions (Eastings 22-32 and 02-12 Northings) 1. (a) Give six figure reference of surveyed tree near Ganodara. Ans. 280043/280042 (b) Lime kiln near Rampura. Ans. 286088/285089 2. What type of drainage pattern is seen in a grid square? (a) 2407. Undefined/intermittent drainage pattern Ans. (b) Identify settlement pattern in 2410. Ans. Isolated What does the following mean? 3. (a) Calculate the distance between Santarwada (2808) to Rampura (2809) along the cart track. Ans. Map distance 4.4 cm Scale of map= 2 cm = 1 kmTherefore 4.4 cm= 2.2 km (b) Green patch in 2705. Ans. Forested area 4. What type of landform is seen in this map extract? Justify. Ans. It's a plain region with very gently sloping land towards the south. It's a plain region as the altitude here is not more than 300 m and only few mounds are in NE. 5. (i) What does sluice mean? Give four figure reference of it. (ii) What does the blue line in 2502 mean? (i) A sliding gate or other device for controlling the flow of water from a dam. Four fig grid reference: 2502. Ans. (ii) The blue line in it is a perennial canal. 6. Identify the settlement pattern in (i) 3007 (ii) 2404 Ans. (i) Scattered/dispersed (ii) Nucleated 7. What does the following mean? (ii) What's the occupation done there? (i) Open scrub Ans. (i) It's a type of desert vegetation where short stunted grass and shrubs are found. (ii) Sheep or goat rearing (ii) Define the conventional sign associated with it. 8. (i) What does 180 in grid 2804 mean? Ans. (i) Its contour line of 180 m. (ii) Contour line is a line joining places of equal altitude on topographical maps. 9. (i) What does blue colour in 2602 represent? (ii) How is it formed? Ans. (i) It is reservoir/dam on river Sipu. (ii) By constructing earthen embankment across river Sipu. 10. What is covered tank? Why is it covered? Ans. It's mainly a source of drinking water. It is covered in order to prevent loss of water through evaporation and to prevent contamination of water. 11. In which direction is (i) Rampura (2705) from Jhat (3008). (ii) Panthawada (2611) from Mahudi Moti (2404) (i) South-west (ii) North-east. Ans. What is contour interval? State its value. 12. The distance between two consecutive contour lines is termed as contour interval. Its value is 20 m. Ans. 13. (i) What is the general direction of Sipu river? (ii) On which bank of is Rampura (2705) located? Ans. (i) It is from NE to SW. (ii) Right bank

14	What type of climate is experienced here? Justify with null will (ii) funsus given quete each staff (i)	8.7
Ans	. It has hot and dry climate with scanty and seasonal rainfall.	200
,	Reasons: (i) There are sand dunes. (ii) All streams and tanks are dry.	2. Sef
1	(iii) Presence of broken ground in grid square 2809 and other areas.	
15	. What are the various modes of transportation in this region?	101
Ans	. Cart track, pack track, district road and state highway	36.
16		20 TE 24
Ans		
2.4	Major part is shaded in yellow wash suggests that.	11.
17	What does the following mean? If at it has sparsed? If or it mounted besetters are sit endiminal.	52
	(i) White oval patch in Sipu river in grid 3009 and (ii) Blue line in river II and the 22 - Vi = dorbat	201.
Ans		138
- 18	Which civic facilities are available at Panthawada? 1 = 2 - 51 = dubord and 01 - 55 - 52 = dignal	EUF.
Ans		122
19	. Which is the most important settlement in this map extract? Justify and to blood the US - operate with	"注意人
Ans	Panthawada	
	Because it has many civic facilities like Post office, Police Station, metalled road, electricity supply, etc	12
20		.271A.
	Nucleated/compact / clustered settlement pattern	
Ans		her.
21	• What is the most important mode of irrigation in this region? Justify.	
Ans	. Perennial lined wells. These are seen all over the map and are depicted by blue dots. and and the set of the	and the second
22	(i) What is aqueduct? control bank to control (ii) Give its four figure grid reference. and the gald	161845
Ans		and the
23	. What does jollowing number mean.	111111111
		sent
Ans	. (i) Kilometer/distance stone What's the main religion here? Justify with any one grid number.	Hat
24		25.
Ans	. Hinduism There are many temples seen here, such as in grid square 2611, 3002. And all approximate of the set of the	A44.
n	There are many temples seen here, such as in grid square 2011, 5002, and autostic guidetiset appli (au	
25	(ii) 3110 whet type of ununage panets is been in (iii) 3110 when the here we have a second	420,
	(i) 2000	1 Mile
Ans	(i) Denieting of Sentawada (ii) What do red squares in 2404 mean?	
Ans	(1) Nucleated	.72
27	- A the stand formed by the every evanoration of water upverophile or who in growing	
Ans. 28	the strength of the strength o	
	(i) Open scrub: 2909 (ii) Open jungle: 2503	, #51 Pa
Ans 29	Cil	
	. What are the occupations of the people at Funnawada: Agriculture and working for civic facilities like post office, police station, etc.	
Ans. 30.	Agriculture and working for civic facilities like post office, police station, etc. What does lime in 2706 mean? State its function.	274
	 What does lime in 2706 mean? State its function. It's a lime kiln where lime is converted into quicklime. 	En h.
Ans.	. It's a lime kiln where lime is converted into quicklime. What is a brown patch in 2803? At what altitude is it present?	17-1
Ane		
Ans. 32.	. It's a sand dune. It is located at 196 m above the sea level. (i) What does 1:50,000 mean? (ii) Which scale is it?	62
Ans.	(i) It means 1 unit on map equals 5000 units on ground. (ii) It is a representative fraction.	co h
Alls. 33.		
Ans	in D.E. Goale (ii) It can be converted into verbal scale of our choice.	
FXII 3		100 - 500

24	(i) Whet does stowe words and D (ii) Ct. C. C. C. C. C. C. C. C.
34.	(i) What does stony waste mean? (ii) Give four figure of this feature.
35.	(i) It is land covered with rocks, boulders and stones. (ii) 3108
55.	What does the following mean? The same the fact and the exception of the same set of the same
Ans	(i) Black vertical line between Eastings 29 and 30 (ii) Black horizontal line between Northings 03 and 04
	(i) Line of longitude (ii) Uther is a said
	(i) What is a grid square?
Ans.	It's a square formed by the intersection of eastings and Northings on a topographic map.
	(ii) What is the area enclosed by one grid square on ground?
Ans.	1 sq.km.
37.	the theorem of the off and off the off and of the off
Ans.	Length = $27 - 23 = 4$ km. Breadth = $07 - 02 = 5$ km. Area = Length × breadth = $4 \times 5 = 20$ so km
38.	Calculate the area enclosed by the entire map extract.
Alls.	Length = $32 - 22 = 10$ km. Breadth = $12 - 2 = 10$ km. Area = Length × breadth = $10 \times 10 = 100$ cm
39.	Calculate the north-south distance on ground from Easting 12 to 02.
Ans.	Map distance $= 20$ cm. Scale of map: 2 cm $= 1$ km
	Therefore, $20 \text{ cm} = 20/2 = 10 \text{ km}.$
40.	Calculate the maximum east west distance on ground as seen here?
Aus.	Distance = 20 cm. Scale of map: 2 cm = 1 km. Therefore, 20 cm = $20/2 = 10$ km
41.	Give jour figure reference of
H.	(i) Chhatri in north-east. (ii) Triangulated height 208.
	(i) 2208
42.	what is the shortest ground distance between Kolda and Jegol?
- Aus.	what distance - 5 km. Scale of map 2 cm = 1 km. Therefore ground distance - $5/2 - 2.5$ has
	 (i) What type of political boundary is seen in grid 2309? (ii) Why all the tanks in this map extract are dry? (i) Tehsil boundary
Alls.	(i) Tensh boundary
44	(ii) It is due to hot and dry climate with scanty rainfall.
Ans.	What is the general direction of slope here? Provide evidence.
45.	(i) the stopped in 5 in direction as we find the spot height decreasing in that direction (263 in NE to 184 in SW).
	(i) It is the ratio between the man distances to the state of the map.
	(11) Representative Erection that in $\mathbf{D} \mathbf{E} \mathbf{C}$ 1
46.	Write about the development of this region.
Ans.	This area is neither developed not underdeveloped but developing
	Reason: The main occupation is still agriculture which is primary occupation and civic facilities are not available in all settlements.
÷	in all settlements.
47.	
Ans.	 (i) Relative height of embankment of dry tank is 3 m. (ii) It's a road like structure across a dam which is available only for it.
Ans.	the second is available univ for the noomle of the standard tor
	the inspection of dam. What does 15 r written in grid square 2207 mean?
48.	B. m Plum P PPOT mcun;
Ans.	 Relative depth of a perennial lined well is 15 m. Why the streams in 2408 are intermittent? (Not continuous) (iii) What is
49.	Why the streams in 2408 are intermittent? (Not continuous) (ii) What it suggests about the climate of the region? (i) They are intermittent as they are flowing over a sandy area when
Ans.	 (i) They are intermittent as they are flowing over a sandy area where water gets easily percolated. Moreover, they do not have enough water in them as this area is a dry depart.
	(i) They are intermittent as they are nowing over a sandy area where water gets easily percolated. Moreover, they do not have enough water in them as this area is a dry desert.(ii) It suggests that the climate of this area is hot and dry with scanty minfell
50.	What is index contour?
Ans.	The sector and hold on this loss that any sector and the sector of the sector of the sector of the sector of the
A115.	number which is multiple of 100.

81

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Sample Toposheet No. 2 (Solved)

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I's

1	(a) Give six figure reference of well with relative depth 12 m.
Ans.	
	(b) Police Station near Mount Abu
Ans.	685215
2.	(a) What type of landform is seen in 2215?
Ans.	Saddle
	(b) Identify the settlement pattern in 2214.
Ans.	Isolated
3.	What does the following mean?
	(a) Rocky knob in 6813
Ans.	It's a protruding part of a rock overlooking a hilly region.
	(b) What are the possible occupations in major part of the region enclosed by the map?
Ans.	Forestry and animal rearing.
4.	Transport helps in communication, and trade. In which part of the map extract is it not well developed?
Ans.	It has not developed much in Northern part of the region except near Abu.
5.	Identify the settlement pattern in gird square.
	(i) 6312 (ii) 6919
Ans.	(i) Scattered/dispersed (ii) Nucleated
6.	What does the following mean?
1. g	(i) Causeway in grid 6414 (ii) What's is its purpose?
Ans.	(i) It's a raised metalled road.
	(ii) It's purpose is to cross a stream or river when they are flooded.
7.	(i) What does falls 15 m mean? (ii) Provide its four figure grid reference for it.
Ans.	(i) It's a waterfall of height 15m. (ii) 6718
8.	(i) What does blue colour in gird square 6719 represent? (ii) How is it formed?
Ans.	(i) What does blue colour in gira square on 5 represent. (ii) It's a perennial tank. (ii) It's a natural depression where many streams bring water when they are flooded.
Ans.	What is protected forest? It's a forest where forestry, animal rearing, etc. are allowed and entry to general public is allowed with special
All3.	permission.
1.5.1	그는 그는 그는 것은 것 같은 것 같은 것 같은 것 같은 것 같은 것 같아요. 이렇게 집에 있었다. 지원이 많은 것에서 가지 않는 것은 것을 가지 않는 것이 같이 있다. 정말 것 같아?
10.	In which direction is (i) Vashishthi Ashram from St. Mary's school? (ii) Abu from Kachuli Dungar?
5.89	(i) North east
Ans.	(I) South-west
11.	What are form lines?
Ans.	What are form tines? These are brown broken lines drawn on topography maps which join the places of approximately equal altitud
	They are usually drawn in oval shape.
12.	What suggest Abu a tourist destination?
Ans.	The presence of waterfalls, sunset point in 6621 and mountainous area with cool and pleasant climate sugg
	Abu as a tourist destination.
	the second in NW region?
13.	(i) It is due to hilly terrain and forested area. 0 2 . 1
Ans.	(i) It is difficult to construct roads in hilly region and moreover deforestation is generally not recommen
that is also	(11) It is difficult to construct roads in ming region and moreover deterestation is generally inter-
	for development.

14.	What type of climate is experienced here in this entire region? Justify, goiner lenture bate constant and the constant
Ans.	It has hot and dry climate with moderate and seasonal rainfall. I shall for the first of the state with moderate and seasonal rainfall.
Intelijo	Reasons: (i) There are forests and perennial tanks suggesting moderate rainfall.
	(ii) Streams and tanks are dry suggest the area has hot and dry climate.
22.2	(iii) Presence of broken ground in 2808 and other areas.
15.	What type of landform is seen in the following gird square?
	Reason : The abhaide of the region decreases in that interior, 5120 (ii)
Ans.	Contrained and the second se
16.	This is a second of the second s
2 B	What's the main occupation in major part of this region? Justify! of disting the provide the second and provide th
Ans.	Forestry and animal rearing are the main occupation.
1 T	Reason : It is because of the reason that major part is shaded with green wash which indicates the presence of forest.
17.	What does the following mean? . shape hindan threat thread linear threader of the second are R.F. Scale and Linear threader the second are th
	(i) Red square in grid 6221 in northern part and to (ii) Black dots in river in grid square 6912
Ans.	(i) Permanent hut.
2 18.	"Which civic facilities are for people in grid square 6413?" boardon elboidgeneoiode el quart edi 1) (a)
Ans.	Metalled road and canal
19	Which is the most important settlement in this map extract? Justify.
	Abu Susan guillonding and Susan Susan Susan and Susan Su
3	Reason : Because it has Post office, Police Station, metalled road, school, etc.
	or (1.2) stoleting beinger al bander is a stream is a state (college (college) beinger weiter (college) weiter
20.	Which part of the map extract is least developed and why? North-western region
Ans.	North-western region
	Reason: It has forest and hilly region where settlemets and civic facilities are difficult to develop.
	What is the most important mode of irrigation in gird square 6812? Justify.
Ans.	Perennial lined wells Reason : These are seen depicted by blue dots.
142.20	
22.	Write the slope of the land in 6816 in west and east direction.
Ans.	
23.	
23.	(i) (i) (i) (i) (i) (i) (i) (i) (i)
Ano	
Ans.	11、25%。 利利 PERFERENCE 经自动的公司 一百 中国的的主义 中国社 法 DE GDN PERFERENCE A 1997 A 61 - 7
24.	The second s
Ans	Hinduism Reason : We can say this as many temples seen here such as in gird square 6719.
	Reason : We can say this as many temples seen here such as in gird square 6719.
25	
	(i) 6219 (ii) 6917 m 000 = 100 (iii) 6917
Ans	
26	
Ans	a bert in Sugary in ornum of held Store cause
27	What do brown lines along with white patch in 6817 mean?
Ans	
28	. Name two types of vegetation seen in the given map. Give their four figure grid reference.
Ans	
20	Dense mixed jungle with bamboo: 6418 / 6518/6716 What are the occupations of the people in grid square 6414?
	. (i) Agriculture as yellow shade is seen.

(ii) Forestry and animal rearing as green shade is seen
30. Ans.	What does 12 r in 6913 mean? State its function of the feature. Relative depth of perennial lined well is 12 m. It supplies water for irrigation and domestic use to people of scattered settlement.
31. Ans.	In which direction does a river of south eastern region flow? Justify. It flows in south-west direction. Reason : The altitude of the region decreases in that direction.
32. Ans.	 (i) What does 2 cm to 1 km mean? (ii) Which scale is it? (ii) It means 2 cm on man equals to 1 km on ground. (iii) It is verbal/statement scale.
33. Ans.	State the limitation of verbal scale? Name other two scales. It is not understood if the unit mentioned is not known to the people. Other two scales used are R.F. Scale and Linear / Graphical Scale.
34. Ans.	 State two benefits of linear scale and one limitation of this scale. (i) Even short distances can easily be measured with the help of linear scale. (ii) If the map is photographically enlarged or reduced the linear scale is also enlarged or reduced in the same ratio and remains true to the map. Limitation: It requires time and proficiency in drawing a graphic scale.
	What does the following mean?(i) 5 r in 6318(i) Relative height of bank of stream is 5 m.(ii) Relative depth of perennial lined well is 11 m.* If r is written in black, it's always relative height, if it's in blue, it's always depth.)
36 Ans	 What are eastings and northings? Eastings: Red colour vertical lines drawn on topographic maps whose number increase from west to east are eastings. Northings: Red colour horizontal lines drawn on topographic maps whose number increase from south to north are northings.
37 Ans	• Calculate the area enclosed between 65 to 70 eastings and 12 to 15 northings. • Length = $70 - 65 = 5$ km. Breadth = $15 - 12 = 3$ km. Area = Length × breadth = $5 \times 3 = 15$ sq.km.
38 An:	Calculate the ground distance from 63 to 68 eastings.
39 An	i i i i i i i i i i i i i i i i i i i
An	and appear at every min contour mie.
An	
in the second se	 What type of mode of transportation is seen and how is it formed? (i) In grid square 6518 s. Foot path is formed by walking of people.
An	(ii) In grid square 6919
Ar 4	What does the following mean?
	(i) in grid square 6514
An	- 1 the bound of embandment is 6 m

