

ANSWERS

Year 2004

A1. (i) 928890/929890/928889/929889 (ii) 912883/913883

A2. North to north-west or south-west to south-south west. Blue line indicates that while most of the river is dry, there is still some water in the river/water channel/perennial channel.

A3. 2km.

A4. (i) Relative height of sand hill from top to bottom is 7 meters. **OR** The depth of the lined perennial well is 7m from the surface to the bottom.* (ii) Lined perennial wells.

A5. Seasonal rainfall; Reason: Presence of dry streams, broken ground, large number of wells, dry tanks, etc.

A6. Contour lines and contour index; Imaginary lines on the map connecting places on the ground having same height above mean sea level.

A7. Plantain – 8887; Deciduous trees – 8883 **OR** Open mixed jungle – 9187; Fairly dense jungle - 9184, Dense jungle – 8882, Densely mixed jungle – 9385, Open scrub – 9383.

A8. (i) Conical hill/Conical peak (ii) Island.

A9. (i) Linear/Ribboned (ii) Radial

A10. Agriculture; Reason – Presence of lined perennial wells(irrigation), yellow wash (cultivated land).

Year 2005

A1. (i) Contour line (ii) Figure (280) indicates that the line connects all places on the ground that are 280 meters above the mean sea level.

A2. Cart tracks, metalled roads.

A3. Left bank; Water supply – man made tanks, lined perennial wells.

A4. Fire line is a wide trench dug into the ground, which is free of vegetation, and which separates the forest area or vegetation on either of its sides. It is made to avoid the spread of fire.

A5. Nature – dry, inundation canal. Length – 5.55 km approximately. **OR** 5.3 km to 5.8 km.

A6. 2118 – radial, 2114 – Parallel/Dendritic.

A7. Anadra. Reason – Presence of PTO, police chauki, dispensary, presence of metalled road connecting it (i.e. nodal point), and convergence of many cart tracks.

A8. (i) North-east (ii) Gulabganj – grid like, modern settlement, left bank, near metalled road; Udwareya – scattered settlement, right bank, on cart track.

Year 2006

A1. (i) 111073/111074 (ii) 137045/137046

A2. (i) Relative height of the embankment is 6m (ii) Indicates that water in the well is brackish or salty, and unfit for drinking or agricultural purpose.

A3. (i) When contours merge together, it indicates a steep slope. (ii) Footpath

A4. Seasonal rainfall. Reason – Presence of dry streams, dry tanks, broken ground, road motorable in dry season, etc.

A5. 1606 – Radial, 1708 – Trellis/Rectangular.

A6. (i) Scattered/Dispersed settlement (ii) Dattani

A7. Conical hill, saddle/col/pass, ridge, etc.

A8. 4km approximately.

A9. Hilly region, uneven topography, lack of cultivable land for agriculture, dense/fairly dense vegetation.

A10. (i) Highest spot height (1023m) – contour height (260m) = $1023 - 260 = 763\text{m}$. (ii) North or north west.

Year 2007

A1. (i) 957745/956744 (ii) 954806.

A2. Dry stream, dry tank, broken ground

A3. 2km approximately.

A4. Lined perennial well. Reason – Numerous dry streams indicating seasonal rainfall and numerous lined perennial wells scattered over the map extract.

A5. Reason – Sandy soil, less rainfall so volume of water in streams is less, high rate of evaporation, etc. Grid square – 9577.

A6. (i) Disappearing streams (ii) Broken ground.

A7. Conical hill/watershed/gap/saddle/col.

A8. (i) South east to north west (ii) Broken ground

A9. Agriculture. Reason – Yellow wash indicating cultivated land.

A10. Scale of a map means the ratio between the distance on the map shown and the corresponding distance on the land measured. Scale of given map – 1:50000 or 2cm = 1km.

Year 2008

A1. South south-east/South-east

A2. Radial

A3. Broken ground, dry streams, dry tanks, etc.

A4. 3.1km approximately

A5. It is a universal scale, i.e. any unit can be substituted in it, whereas a verbal scale is given with specified units.

A6. (i) 229160 (ii) 217106/218106

A7. Metalled road, unmetalled road, pack track

A8. Agriculture – presence of yellow wash indicating cultivated land and lined perennial wells for irrigation; Forestry/Lumbering – Presence of green wash/jungle; Animal rearing – presence of jungle and pen, vast space.

A9. 2115 – gentle slope; 1811 – steep slope

A10. (i) To prevent spread of fire in jungle/forest. (ii) To supply drinking water from reservoir to the city Abu.

A11. (i) Temporary hut (ii) Relative height of embankment of dry tank is 4m.

A12. Jaivilas Palace, Sunset Point, Jain temples, Raj Bhawan, Nakki Lake, etc.

Year 2009

A1. (i) 1107 (ii) 1003

A2. 1606 – Radial 1007 – Trellis/Rectangular

A3. Broken ground, Dry river bed, Dry tank, Dry stream

A4. 8km or 8.2km approximately

A5. (i) Representative fraction or R.F. (ii) 10 km.

A6. (i) 111073/121073 (ii) 188057

A7. Cart track, metalled road

A8. Agriculture, forestry

A9. Gentle slope – contours shown far apart; Steep slope – contours shown close together.

A10. (i) Relative height of embankment is 3m (ii) Area having arid/dry vegetation, barren land and scrubs, and unsuitable for agriculture.

A11. Direction of Dattani from Chandela – West; of Dhavli from Chandela – North-west.

A12. Permanent settlement or permanent huts and dry tank

A13. “Motorable in dry season” refers to the cart track being fit for transportation use only during the dry season. This indicates that the region receives seasonal rainfall.

Year 2010

A1. (i) 858843/859844 (ii) 835916/835917

A2. (i) 8189 (ii) 8088

A3. 4.1km approximately

A4. (i) Broken ground (ii) Perennial stream flowing through dry river bed.

A5. (i) Scattered/clustered/nucleated (ii) Settlements lie far away from each other but are in groups.

A6. Lined perennial wells, since the streams are dry and the yellow wash indicates that the land has been cultivated.

A7. (i) Cart tracks (ii) Settlements are mostly connected by way of cart tracks.

A8. (i) South-east (ii) From north-east to south-west

A9. (i) Dendritic (ii) Relative depth of the lined perennial well from the surface to the bottom is 25m.

A10. (i) R.F. means representative fractions. It is the ratio between the distance on the map shown and the corresponding distance on the land measured.(ii) 1:50000

Year 2011

A1. (i) 088131/089131 (ii) 059128

A2. 0916 – Radial, 0712 – Trellis/Rectangular

A3. (i)1014 (ii) 0816/0916

A4. 5.6km – 6km approximately

A5. (i) Broken ground (ii) Seasonal rainfall, alternate wet and dry conditions, warm temperatures.

A6. (i) Nucleated/compact (ii) Houses are in small groups and close together.

A7. North-east to south-west. Reason – Arrow in the river indicated the direction of flow of river.

A8. Agriculture/farming/government services

A9. (i) Cart track (ii) Metalled road

A10. Presence of dry river bed, dry tank, dry stream, broken ground.