

SACRED HEART GIRLS HIGH SCHOOL, BANGALORE
PRELIMINARY EXAMINATION 2021
GEOGRAPHY

Grade: X
Date: 26-10-21

Time: 1 hour
Marks: 40

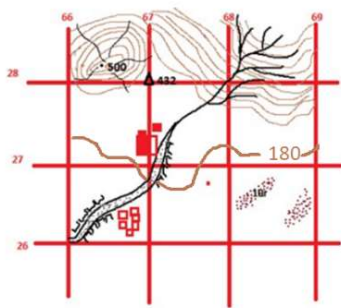
INSTRUCTIONS

- One hour is inclusive of reading time.
- ALL QUESTIONS ARE COMPULSORY.
- The marks intended for the questions are given in the brackets [].
- Select the correct option for each of the following questions.

SECTION A (10 MARKS)
TOPOGRAPHY

Question 1

Refer to the images and answer the question that follow: [1]

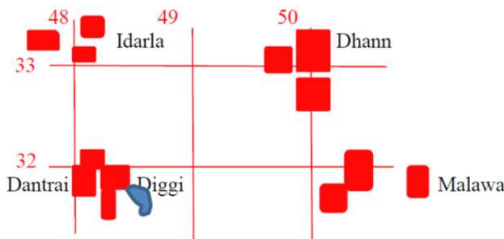


What does the brown line in 6827 indicate?

1. Contour height
2. Contour line
3. Contour interval
4. Contour

Question 2

Refer to the images and answer the question that follow: [1]

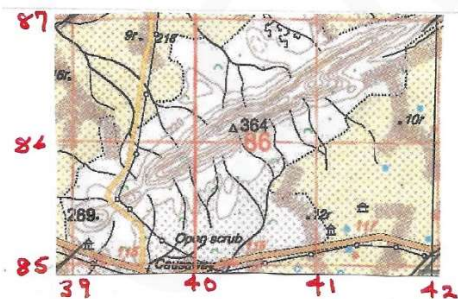


What is the direction of Dantrai from Malawa?

1. North East
2. East
3. West
4. South West

Question 3

Refer to the images and answer the question that follow: [1]



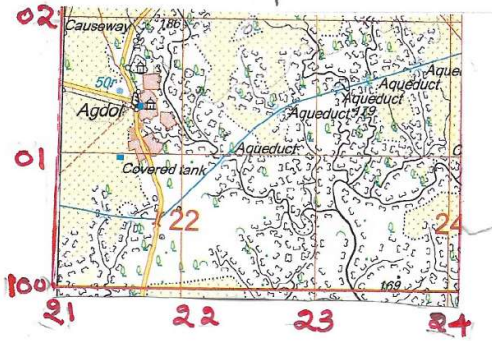
What is $\Delta 364$ in 4086?

1. Triangulated height of 364 km
2. Triangulated height of 364 cm
3. Triangulated height of 364 mm
4. Triangulated height of 364 m

Question 4

Refer to the images and answer the question that follow:

[1]



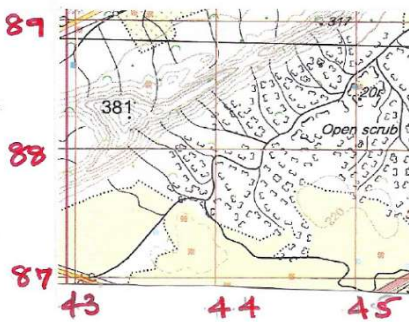
What does 50r in 2101 indicate?

1. The relative height of the well is 50cm
2. The relative depth of the perennial lined well is 50km
3. The relative depth of the perennial lined well is 50m
4. The relative height of the surveyed tree is 50m

Question 5

Refer to the images and answer the question that follow:

[1]



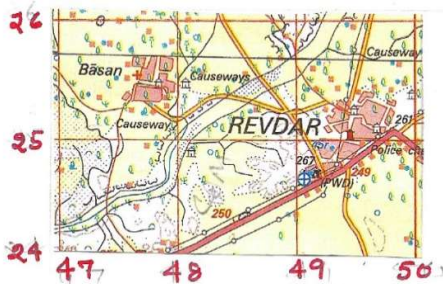
What is the main occupation of the people living in the area shown on the map extract?

1. Mining
2. Agriculture
3. Fishing
4. Sheep rearing

Question 6

Refer to the images and answer the question that follow:

[1]



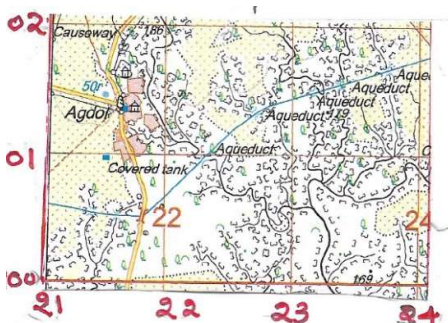
Name the roadways marked in yellow?

1. District Roads
2. National Highways
3. State Highways
4. Expressways

Question 7

Refer to the images and answer the question that follow:

[1]



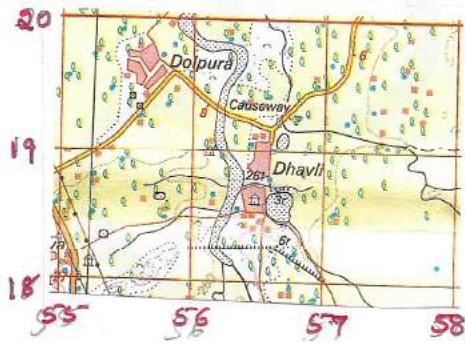
What does Aqueduct in grid square 2301 mean?

1. An artificial canal
2. An artificial channel for conveying water, typically in the form of a bridge across a valley.
3. A perennial canal
4. A water channel supplying water through an artificial canal

Question 8

Refer to the images and answer the question that follow:

[1]



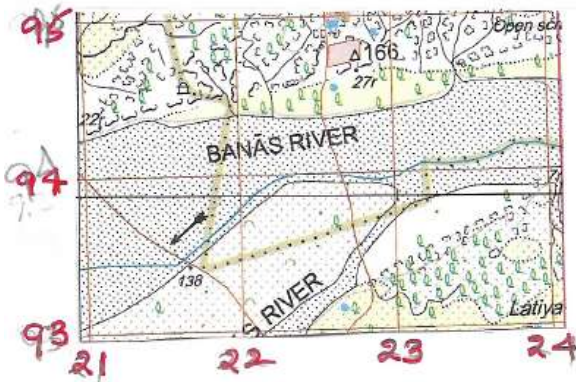
What is the four grid reference of Dolpura settlement?

- 1. 1955
- 2. 5518
- ~~3. 5519~~
- 4. 1956

Question 9

Refer to the images and answer the question that follow:

[1]



What is the direction of the flow of the River Banas?

- 1. North East
- ~~2. South West~~
- 3. West
- 4. East

Question 10

Refer to the images and answer the question that follow:

[1]



Calculate the area between 32 to 34 Northings and 47 to 50 Eastings?

- 1. 4 km
- 2. 6 m
- ~~3. 6 sq km~~
- 4. 4 sq km

SECTION B (30 MARKS)

Question 11

Name the type of climate experienced exclusively in the Coastal areas of India.

[1]

- ~~1. Equable~~
- 2. Continental
- 3. Monsoon
- 4. Mediterranean

Question 12

Why does the Arabian Sea branch of the South West Monsoons not give rainfall to Rajasthan? [1]

1. It runs parallel to the Western Ghats.
2. It runs parallel to the Himalayas.
- ~~3.~~ It runs parallel to the Aravalli.
4. It runs parallel to the Vindhya

Question 13

Which of the following factor is responsible for the fall in the temperature of India in the month of December? [1]

1. Sun is overhead at the Tropic of Cancer
2. Northward migration of the sun from the equator
3. Sun is overhead at the Equator
- ~~4.~~ Sun is overhead at the Tropic of Capricorn

Question 14

Which of the following is good for cultivation? [1]

1. Kalbaisakhi
- ~~2.~~ Western Disturbance
3. Cherry Blossom
4. Monsoon showers

Question 15

Read the Climate Data and answer the following questions.

Months	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temp °C	24.5	25.7	27.7	20.4	30.0	32.5	31.0	30.2	29.8	28.0	25.9	24.7
Rainfall (cm)	4.6	1.3	1.3	1.8	3.8	4.5	8.7	11.3	11.9	30.6	35.0	13.9

(a) Calculate the annual range of temperature at the station is: [1]

- ~~1.~~ Maximum temperature – Minimum Temperature
- ~~2.~~ 12.1°C.
3. Sum of temperature /12.
4. 12. 1 F

(b) Name the winds that bring heavy rainfall to this station. [1]

1. South West monsoon winds
2. North East monsoon winds
- ~~3.~~ Retreating Monsoon winds
4. Pre-Monsoon winds

Question 16

Give reasons for the following.

(a) There is heavy rainfall in the Mawsynram region of Meghalaya. [1]

1. Sun is overhead at the Tropic of Cancer
2. Northward migration of the sun from the equator
3. Sun is overhead at the Equator
4. Sun is overhead at the Tropic of Capricorn

(b) A cricket match was supposed to be held at Chennai between 24th to 28th October, but was abandoned. [1]

1. Sudden shift of the low-pressure area from the land over Bay of Bengal causing cyclonic Rainfall.
2. The temperate cyclones bringing heavy rain
3. The NE monsoon striking the windward side of the Eastern Ghats.
4. Jet streams set in that region

Question 17

Which type of soil is formed under conditions of high temperature and heavy rainfall? [1]

1. Red Soil
2. Alluvial Soil
3. Laterite Soil
4. Black Soil

Question 18

Which soils are derived from Basalts of Deccan Trap? [1]

1. Red Soil
2. Alluvial Soil
3. Laterite Soil
4. Black Soil

Question 19

Identify the method of soil conservation, given in this picture below. [1]



1. Strip cropping
2. Terrace farming
3. Shelter Belts
4. Contour ploughing

Question 20

Which soils is rich in calcium and magnesium?

[1]

1. Red Soil
- ~~2. Alluvial Soil~~
3. Laterite Soil
4. Black Soil

Question 21

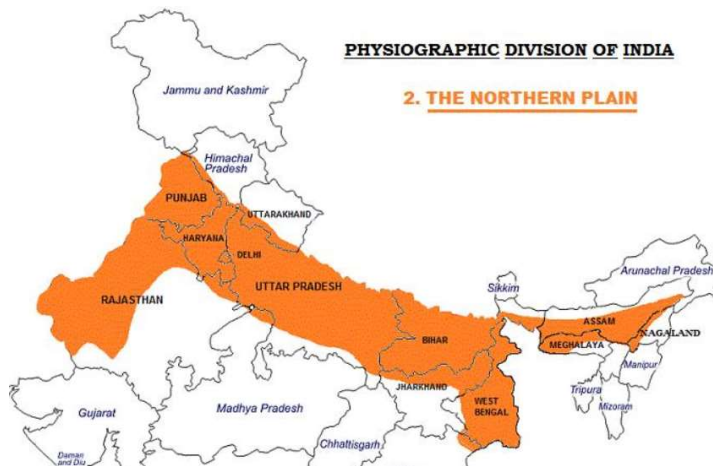
Which of the following is not a characteristic of red soil?

[1]

- ~~1. High nitrogen and humus content~~
2. Very high iron content
3. They are formed dur to weathering of crystalline and metamorphic rocks
4. Porous and friable

Question 22

Study the map and answer the following questions:



(a) Which soil is found in the shaded region?

[1]

1. Red Soil
- ~~2. Alluvial Soil~~
3. Laterite Soil
4. Black Soil

(b) Identify the characteristic of this soil.

[1]

1. Formed by leaching
2. Moisture Retentive
- ~~3. Rich in lime and potash~~
4. High Ferros oxide

Question 23

Which type of forests are inaccessible but have huge biodiversity potential? [1]

1. Littoral forests
2. Rainforests
3. Deciduous forests
4. Desert and semi-desert

Question 24

Which of the following mountain ranges have Rainforests on its windward slope and Moist deciduous forests on its leeward slope? [1]

1. Sahyadri
2. Nilgiris
3. Assam hills
4. Satpura

**Question 25**

Which of the following regions have mangroves? [1]

1. Western ghats
2. Eastern ghats
3. Deltaic regions
4. Andaman & Nicobar

Question 26

Which of the following statements regarding Mountain forests is not correct? [1]

1. Between altitude of 1500m – 1750m, coniferous trees like chirpine are found
2. Between altitude of 2250m – 3000m, blue pine and spruce are found
3. At still higher altitudes alpine forests are found.
4. Most of the vegetation is found beyond the snowline.

Question 27

Trees and plants in deserts grow slowly due to [1]

1. High rainfall
2. High temperature
3. Low rainfall
4. Moderate rainfall

Question 28

Shisham, sandalwood, teak and sal are the common trees found in which kind of forests? [1]

1. Deciduous
2. Desert
3. Evergreen
4. Littoral

Question 29

Which type of vegetation is characterised by breathing roots and stilt like roots? [1]

1. Tropical Deciduous
2. Nilgiris
3. Littoral
4. Tropical Evergreen

Question 30

Which of the following is not suitable condition for digging wells? [1]

1. High water table
2. Rocky surface
3. Soft rocks
4. Adequate rainfall

Question 31

Which of the following is one advantage of surface wells? [1]

1. They are not so deep
2. They can irrigate only a small area of field
3. Cheapest means of irrigation
4. They dry up during summer

Question 32

Which one of the following is a characteristic of perennial canals? [1]

1. Uncertainty of water supply
2. Useful only during floods
3. Only low lying areas can be irrigated
4. Barrages like dams are built to collect excess water.

Question 33

Which type of irrigation has proved to be boon in Rajasthan?

[1]

1. Tank
- ~~2. Canal~~
3. Tube well
4. Well

Question 34

Irrigation methods are the need of the hour because:

[1]

1. Rainfall is in abundance
2. Evenly distributed rainfall
- ~~3. To utilize river water efficiently~~
4. It occupies less space

Question 35

Tanks of the Deccan area are

[1]

1. Snow-fed
2. Perennial
3. Constructed near alluvial plains
- ~~4. Used when streams become torrential~~

Question 36

Name the water harvesting mechanism of Western Ghats.

[1]

1. Khatri
- ~~2. Surangam~~
3. Zing
4. Johad

Question 37

Name the modern irrigation system shown here?

[1]



1. Strip cropping
2. Crop rotation
3. Drip irrigation
- ~~4. Furrow irrigation~~

