

BA (Hons.) Examination 2021
Semester- I
GEOGRAPHY
Paper/Course: CC-2 (Practical)
Cartographic and Geological Exercises

**Time :
4 hours**

Questions are of Value as indicated in the Margin

**Full Marks:
60**

Answer all Questions

1. (a) The distance between two points in a map is 4cm and the actual distance between the same two points on the ground is 4cm. Calculate the RF scale of the map and construct a comparative scale showing kilometres and miles in primary divisions, meters and furlong in secondary divisions. 6
 (b) A bicycle is moving at the rate of 6 miles an hour. Draw a scale for a map of 1 inch=3 miles. 4
6+4= 10
2. Draw suitable diagram in your answer script to represent the data of Scheduled Tribe population for the given eighteen districts of West Bengal (use Table-1). 6+4= 10
3. What do you mean by Choropleth and Choropleth map? Write a detailed note on the methodological steps followed for the construction of a Choropleth Map. What are the basic properties of a Choropleth map? 2+6+2=10
4. What are the criteria for drawing Strike lines? How do you find the Dip of bedding plane? Illustrate with examples. 2+8=10
5. How do you identify unconformity of rock structure in a geological map? Define a section line and mention its importance in identifying the geological formation and structure of an area. 6+2+2 =10
6. Answer the following questions: 2x5=10
 - a. Differentiate between Large and Small Scale map.
 - b. Define Cartogram. Write the advantages of constructing proportional symbols.
 - c. Define density of population.
 - d. What do you understand by the term Strike?
 - e. Define sequence of bed.

**Table: 1 District wise Total Scheduled Tribe Population
in West Bengal: 2001**

Sl.no.	NAME	Scheduled Tribe
1	Darjiling	204167
2	Jalpaiguri	641688
3	Koch Bihar	14246
4	Uttar Dinajpur	124865
5	Dakshin Dinajpur	242317
6	Maldah	227047
7	Murshidabad	75953
8	Birbhum	203127
9	Barddhaman	441832
10	Nadia	113891
11	North Twenty Four Parganas	198936
12	Hugli	212062
13	Bankura	330783
14	Puruliya	463452
15	Medinipur	798684
16	Haora	19168
17	Kolkata	9810
18	South Twenty Four Parganas	84766
WEST BENGAL		4406794

Census, 2001

B.A. (Honours) Examination 2022

Semester-I (CBCS)

GEOGRAPHY

Course: CC-1 (Geotectonics and Geomorphology)

Questions are of values as indicated in the margin. Attempt any

Time: 3 Hours

three questions selecting one from each unit

Full Marks: 60

Unit-1

(Geotectonics)

1. Discuss geological history of the earth with reference to Geological Time Scale. Highlight the sequential stages of origin of continents and oceans. 15+5=20
2. What is Triple junction? Write a brief note on Westward drift. Describe internal structure of the earth explaining the concept of seismic waves in detail. 2+3+15=20

Unit-2

(Geomorphology: Concept and Processes)

3. What do you understand by *normal cycle of erosion* and *dynamic equilibrium*? Bring out the concept of erosion model propounded by W.M. Davis. Distinguish between the erosion models put forward by Davis and Penck. 5+10+5=20
4. Give an outline of the basic principles of geomorphology. Explain the process of mechanical weathering with suitable examples and figures. What are the major landforms developed out of weathering? 5+10+5=20

Unit-2

(Surface Expressions of Processes)

5. Narrate the major processes of glacial erosion and describe their resultant landforms. Mention *any two* glacial depositional landforms with a brief note on their characteristics. 4+12+4=20
6. What is meant by 'desert'? Highlight the dominant aeolian processes that play important role in deserts. Discuss the resultant landforms carved out by the aeolian processes with illustrations.

4+4+12=20

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Time: 4
Hours

Questions are of value as indicated in the Margin

Full
marks:60

Attempt all Questions

1

- a. The distance between two points in a map is 2cm and the actual distance between the same two points on the ground is 2 km. Calculate the RF and draw a linear scale showing miles in primary division and furlongs in secondary division.
- b. Draw a scale for a boy marching at the rate of 2 miles per hour for a map having the scale 1 inch to 2 mile.

6+4=10

2

Represent the data given in the Table no. 1 on Map no. 1 with a suitable diagram and interpret it.

8+2=10

3

Calculate the population density of the states given in the Table no. 2. Represent the same with a suitable cartographic technique on Map 2 and interpret.

5+5=10

4

Identify the given rock/mineral samples and describe their characteristics.

5+5=10

5

Draw a geological section along PQ line. Interpret the succession of beds and geological history of the area covered by the map.

6+4=10

6

Viva-Voce and Practical note book

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