

UG 1st Semester Examination 2021

GEOGRAPHY (HONOURS)

**PAPER: DC-2
(CBCS)**

Full Marks: 25

Time: Two Hours

The figures in the margin indicate full marks.

GROUP-A

Answer any one of the following:

10×1=10

1. Differentiate surveying from levelling? What are the principles and steps followed in surveying? Describe the steps of traversing by Prismatic Compass and what do you understand by closing error in a closed traverse? 3+2+3+2=10

2. Define coordinates. Describe the different types of coordinate systems used in making maps along with the basic characteristics? How do you differentiate between 'geoid' and 'spheroid'? 2+5+3=10

Group-B

Answer any **three** of the following :

5× 3= 15

3. Write a short note on the use of UTM projection. 5

4. Attempt a detailed layout of the reference system of SOI topographical map (Old Series) on a metric system. 5

5. What are the basic characteristics of a map? Describe the major types of map used by geographers. 2+3=5

6. What is the difference between BM, CL and RL? Describe the use of Abney level. 3+2=5

7. What are the different types of map projection used by cartographers? Mention the use of each of the categories. 2+3=5

8. What is bearing and what are the types of bearing used in surveying. 5