

U.G. 1st Semester Examination - 2021

GEOGRAPHY

Course Code : BGEOCCHS102

Course Title : Cartographic Techniques in Geography

[PRACTICAL]

Full Marks : 20

Time : 1 Hour

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer the following questions: $1 \times 10 = 10$
- What is vernier constant?
 - Of the two maps of the same area, one in 1:50,000 and the other on— 1:100,000—which one is larger in size and why?
 - What is Aphylactic Projections?
 - Why two standard parallels are chosen in a modified Conical Projection?
 - What is the main property of Bonne's projection?
 - What is loxodrome?
 - Mention the purpose of drawing a Relative Relief Map from toposheet.

- Which type of profile is suitable for showing ruggedness of skyline?
 - What is the significance of values of Bifurcation Ratio between 3 to 4?
 - Define Transect Chart.
2. Answer the following questions : $2 \times 5 = 10$
- The distance between Pune and Hyderabad is 538 km. It is represented on a map by a line of 3.13 cm length. Find out the R.F.
 - Classify projections on the basis of the methods of construction.
 - Calculate the length of the equator of a Cylindrical Equal Area Projection when the R.F. is 1:350,000,000.
 - Latitudinal and longitudinal extension of the toposheet No. 73 E/4 is 23 degree 0 minutes north to 23 degree 15 minutes north and 85 degree 0 minutes east to 85 degree 15 minutes east respectively. Calculate the latitudinal and longitudinal extension of the toposheet No. 73 E/10.
 - What is the R.F. of the following number of toposheets
 - 64 K/NE
 - 67 K/7/4