



COOCH BEHAR PANCHANAN BARMA UNIVERSITY
B.A. Honours 5th Semester Examinations, 2021, held in 2022

GEOGRAPHY

DSE-2

Full Marks: 40

Time Allotted: 2 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.*

**The question paper contains CARTOGRAPHY and FLUVIAL GEOMORPHOLOGY.
The candidates are required to answer any one from two courses.
Candidates should mention it clearly on the Answer Book.**

CARTOGRAPHY

Answer any two questions from the following

1. Define Cartography. What is the difference between Cartography and Cartogram? Discuss briefly the nature and scope of Cartography. 20×2 = 40
2. Why error is inevitable in map projection? Define Developable Surface. Write down the principle and properties of Polar Zenithal Equal Area Projection. Submit calculation and draw neat graticules for the same projection based on the following — 3+5+12
- Extension : Southern Hemisphere
- Interval : 15°
- R.F. : 1 : 150,000,000
3. Write short notes on: 3+2+5+10
- (a) Principles of Triangulation
- (b) Choropleth Map
- (c) Choice of Map Projection
- (d) UTM Grid System. 5×4 = 20

Turn Over

FLUVIAL GEOMORPHOLOGY

Answer any *two* questions from the following

20×2 = 40

1. Discuss the drainage basin as a geomorphic unit in fluvial geomorphology. Explain the different types of features associated with alluvial fans. 10+10
2. Classify river meander. Discuss the origin, development and characteristics of meander river channel with suitable sketches. 5+15
3. Write short notes on: 5×4 = 20
 - (a) Measurement of river discharge
 - (b) Mechanism of Valley widening
 - (c) Longitudinal Profile of River
 - (d) River Terrace formation.

— x —