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PG CBCS
M.A. & M.Sc. Semester-IV Examination, 2021
GEOGRAPHY
PAPER: GEO 496
PRACTICAL
(GEODESY AND GIS)

Full Marks: 50   **Time: 4 Hours**

Write the answer for each unit in separate sheet

The figures in the right-hand margin indicate full marks.

GEO 496.1: MAP TRANSFORMATION AND GEODESY

Answer ALL questions from the following:

1. Draw the graticule of Mercator's projection at 20^0 degree interval on scale 1: 290 x 10^6 for whole globe with its principles, construction and uses.   15

OR

Draw the graticule of Mollweide's projection at 20^0 intervals, where the radius of the generating globe is 2 cm. with its principle and properties.   15

2. What is geoid? What are the types of distortion that occur during map transformation?   10

OR

Write a short note about WGS-84 and Everest spheroid.   10

GEO 496.2: GEOGRAPHICAL INFORMATION SYSTEM (GIS)

Answer ALL questions from the following:

1. Give an account on various segments of Global Positioning System (GPS).   15

OR

Write about the applications of 3D GIS, Web GIS, and Mobile GIS. Define Pseudo Random Code (PRC) and Coarse Acquisition Code (C/A).   12+3=15

2. Differentiate between vector data structure and raster data structure.   10

OR

Write a short note on DGPS and GNSS.   10

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