6. Draw the Sinusoidal Projection and explain it. 11

UNIT-IV

7. (a) Write about the concepts of remote sensing.

   (b) Enlist the different types of remote sensing resolutions. Explain it with the suitable examples. 5½+5½=11

8. (a) Explain the role of ISRO in our country.

   (b) Enlist the field applications of remote sensing. 5½+5½=11

UNIT-V

9. (a) What are the basic concepts of GIS? Explain the different GIS Data models.

   (b) Define Georeference and how you do the map layout in GIS. 5½+5½=11

Practical Notebook 5

Viva-Voce. 10

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PG Odd Semester Examination, 2022

GEOGRAPHY

(3rd Semester)

Course No.: GEOCC-305

(Cartography, Remort Sensing and GIS)

Full Marks: 70

Pass Marks: 28

Time: 3 hours

The figures in the right margin indicate full marks for the question.
Answer any five questions, taking one from each unit.

UNIT-I

1. What are the different cartographic techniques that can be used in thematic map preparation? 11

2. (a) Explain about the universal transverse Mercator System (STM). 5½+5½=11

   (b) Define dot distribution map? Explain with a suitable example

UNIT-II

3. Write about the different methods of plane table surveying with neat sketch. 11

4. Elaborately discuss about the different methods of leveling techniques with a neat sketch. 11

UNIT-III

5. Construct the simple cylindrical projection system for the entire globe on the scale of 1:400000000 spacing meridians and parallels at 30^0 intervels. 11