

KANYASHREE UNIVERSITY

M.A. / M.Sc. 3rd Semester Examination-2023

Subject: Geography

Course-317

RS, GIS &GNSS (Digital)

Full Marks-50

Time-2.00 Hours

Group A

Answer **all** of the following questions:

5×4=20

1. What do you mean by georeferencing? What is the spatial resolution of LISS-III sensor? [4+1]
2. What is standard FCC? What are the characteristics of TM band? [2+3]
3. Point out the workflow for preparation of DEM from contour vector layer. [5]
4. Explain the major applications of GPS. [5]

Group B

Answer **all** of the following questions:

10×2=20

1. Georeference the scanned raster map given to you in QGIS. Convert the given raster layer to vector layer. [5+5]
2. From the given FCC image identify three features and classify the image with supervised process using QGIS Software. Annotate the map with proper map elements. [7+3]

Group C

1. Lab Notebook and Viva-voce. [5+5]
