

2016

M.Sc.

2nd Semester Examination

REMOTE SENSING AND GIS

PAPER—RSG-208

(PRACTICAL)

Full Marks : 25

Time : 2 Hours

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

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

Illustrate the answers wherever necessary.

(Spatial Geostatistics)

Answer all questions.

- 1. Estimate regression coefficients from the given dataset.
What will be the value of predicted Y when X is 240 ?**

3+2

(Turn Over)

2. The correlation coefficients of three variables, altitude (x_1), vegetation cover (x_2) and rainfall (y) are 0.81 (r_{y, x_1}), 0.63 (r_{y, x_2}) and 0.39 (r_{x_1, x_2}). Estimate multiple correlation coefficient (R) among these variables. Interpret the relationship. 3+2
 3. Prepare a 2D elevation surface choosing a suitable interpolation method from the given data set. Interpret with proper layout. 5+5
 4. Practical note book and Viva voce. 5
-