2015

M.Sc.

2nd Semester Examination

REMOTE SENSING AND GIS

PAPER—RSG-206

(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.

(Geographic Information System)

Answer *all* questions.

1. Calibrate the given satellite image with suitable radiometric calibration technique.   5

2. Transform the data using principle component analysis and extract-three most informative bands based on eigenvalues.   5

3. Suppress 'speckle noise' of given ERS-SAR image iteratively for three timer with proper speckle suppression filter, CV-multiplier, moving window etc. and classify image into settlement, waterbody, dry soil and other land use land cover classes.   10

3. Practical note book and Viva voce.   5