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