

2016

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. Separate bad bands from the given hyperion satellite data and extract most informative bands using eigen values of MNF bands. 5+5**

(Turn Over)

2. Estimate LST from the given emissivity map. Interpret the map with emphasizing the causes behind variation of temperature over different land use land cover. 7+3
 3. Suppress 'speckle noise' of given ERS-SAR image iteratively for three times with proper speckle suppression filter, CV-multiplier, moving window etc. and classify image into dry soil, wet soil, settlement and waterbody using ERDAS Imaging or by lottery ENVI software. 10
 4. Practical note book and Viva voce. 5
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