2015

M.Sc. 1st Semester Examination

REMOTE SENSING & GIS

PAPER—RSG-107

(Practical)

Full Marks : 25

Time : 2 Hours

The figures in the margin indicate full marks.

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

Illustrate the answers wherever necessary.

Answer *all* questions.

1. (a) Derive the parallax height equation on a level terrain with the help of a neat diagram.

(b) Measure the difference in elevation between points A & B (marked on the given stereopair) with the help of a

'parallax bar', where the focal length of the camera is 230 mm and scale of the photograph is 1 : 15,000. 5+5

2. Find out the corrected GPS reading of four corners of the Einstein Building. Plot the building using suitable GIS software, compute the area and perimeter of the building. Tabulate the data sheet showing computational steps of base station correction. 4+2+2+2

3. Laboratory note book and viva-voce. 5
