2015
M.Sc.
2nd Semester Examination
REMOTE SENSING AND GIS
PAPER—RSG-207
(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.

(Geodesy, GPS and Mobile Mapping)

Answer all questions.

1. Generate a multibuffer of your choice using the supplied data and compose the map with proper annotation.  

2. Generate Contour line or Virtual 3D of the supplied data.

(Turn Over)
3. Find out the radii of parallel and meridian at the point P(40°N, 40°E) laying globe surface, given that the semi-major axis = 6377.3 km and \( e^2 = \frac{1}{150.4} \). Also calculate the corresponding value of radii assuming the globe to be a sphere with \( R = 6368 \) km. 5

4. Three points — A(40°S, 60°E), B(30°S, 85°E) and C(50°S, 105°E) are on the surface of the spherical earth with radius of 6368 km. Determine the area of ABC by the principles of spherical triangle. 5

5. Practical Note Book and Viva-Voce. 5