

2016

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.

(Advance GIS and Geodesy)

Answer all questions.

1. (a) Prepare a attribute based thematic maps using supplied data.
- (b) Create a buffer from the supplied data. 5+5
2. (a) Calculate the length (circumference) and height above equator of parallel 65°N and 25°S on WGS-84 and

(Turn Over)

also calculate the distance between these parallel aling meridian. [a = 6378137 m, f = 1/298.257]

- (b) Your GPS reading shows that you are at $30^{\circ} 34' N$ and $86^{\circ} 20' E$ and ellipsoidal height (h) of that point is 3500m. Transform the coordiante from ellipsoidal reference system (θ, λ, h) to global cartesian coordinate system (x, y, z). [a = 6378137 m, f = 1/298.257]

5+5

3. Practical Note Book and Viva-Voce.

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