

2019

MSc

2nd Semester Examination

RS & GIS

PAPER – RSG_298 (practical)

Full Marks :25

Time :

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.

Answer all questions

1. Calculate the Area between 35°W and 45°E on Everest spheroid. Given that the Semi major axis of the earth $a = 6377301.243\text{m}$ and flattening $f = 1/300.8017$ 10
2. Of the two places Gangtok ($27^{\circ} 20' \text{ N}$) ($88^{\circ} 40' \text{ E}$) and Kohima ($25^{\circ} 40' \text{ N}$) & ($94^{\circ} 08' \text{ E}$) which one is nearer to Kolkata ($22^{\circ} 34' \text{ N}$) & ($88^{\circ} 24' \text{ E}$) in respect of their distance along great circle routes ? Given that the radius of earth is 6368 km . 10
3. Laboratory notebook and viva voce. 5