

2013

M.Sc.

1st Semester Examination

REMOTE SENSING & GIS

PAPER—RSG-105

(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.

Answer all questions.

1. Estimate the discharge of a river if the length of channel reach is 20 km; travel time of a ball from 0 km to reach 20 km distance is 640 seconds; cross sectional area of section A-B is 2000 m² and section across C-D is 2200 m².

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(Turn Over)

2. Prepare a geomorphological map using the method of multiple layers with elevation, slope amount, slope direction, material composition and morphologic signatures from a part of the given Toposheet. 8
 3. Change the projection system of the given map (A) into geographic co-ordinate system (world) with WGS 84 datum. 5
 4. Laboratory Note Book and Viva-Voce. 5
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