

**M.Sc. 1st Semester Examination, 2013**

**REMOTE SENSING AND GIS**

*( Surveying, Cartography and Digital Mapping )*

*( Practical )*

**PAPER—RSG-105**

*Full Marks : 25*

*Time : 2 hours*

**Answer all the questions**

*The figures in the right-hand margin indicate marks*

1. Estimate the discharge of a river if the length of channel reach is 15 km; travel time of a ball from 0 km to reach 15 km dist. is 600 seconds; cross sectional area of section A-B is  $1200 \text{ m}^2$  and section C-D is  $1300 \text{ m}^2$ .

10

*( Turn Over )*

2. Prepare a geomorphological map with the use of dumpy level, prismatic compass and clinometer in the field. 10
  3. Laboratory Note Book and Viva voce. 5
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