

**2013**

**M.Sc.**

**4th Semester Examination**

**REMOTE SENSING AND GIS**

**PAPER—RSG-401**

*Full Marks : 40*

*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.*

*Use Separate answer book for each Group.*

**Group-A**

**( Research Methodology )**

[Marks : 20]

Answer any *two* questions. 2×10

1. (a) What is research ?  
(b) What is research methodology ?  
(c) Explain the characteristics of research. 2+3+5
2. (a) What is research process ?  
(b) Discuss briefly the steps involved in research process. 2+8

(Turn Over)

3. (a) What do you mean by Research Projects — explain critically.
- (b) Write the basic differences between “Technical Report” and “Thesis paper/Research paper”. 5+5
4. (a) Explain the meaning of Hypothesis.
- (b) Describe the types of hypothesis with suitable example. 3+7

### **Group-B**

#### **(Project Management)**

[Marks : 20]

Answer any *two* questions. 2×10

1. Define project. Explain project life cycle in brief. Discuss salient characteristics of a project. 2+3+5
2. What are the different tools and techniques used for project management? How are the projects classified? 5+5
3. Compare Cost Estimation and Cost Accounting (Costing) of a project. Give a brief account on various steps for performing project Cost-Benefit Analysis (CBA) 4+6
4. Write short note on any two of the following : 5×2
  - (a) Risk Management Plan.
  - (b) Human Resource Plan.
  - (c) Components of strategic plan of a GIS project.