

Ph.D. (GEOLOGY)
(PHDGY)

00354

Term-End Examination
December, 2016

RGYE-009 : BASIC CONCEPTS AND ADVANCES
IN GEOLOGICAL APPLICATIONS OF REMOTE
SENSING AND GIS

Time : 2 hours

Maximum Marks : 50

Note :

- (i) Answer any **five** questions.
(ii) Each question carries equal marks.

1. Describe image classification with emphasis on supervised classification in detail. 10
2. What is data ? Explain briefly different kinds of data. 10
3. What is a map ? Describe the various types of maps in detail. 10

OR

Give an account of interpretation of physical features in topographical maps. 10

4. Discuss the spectral signatures of minerals and rocks. 10
5. Write an essay on Indian Space Programmes. 10
6. Give an account of radiometric errors and their correction procedures. 10
7. Write short notes on any **two** of the following : $2 \times 5 = 10$
- (a) Thermal Remote Sensing
 - (b) Aerial Photographs
 - (c) GLONASS
 - (d) Network Model
8. Write short notes on any **two** of the following : $2 \times 5 = 10$
- (a) Digital Elevation Model
 - (b) Drainage Network Mapping
 - (c) Navigation Satellites
 - (d) Microwave Imaging System
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