

Ph.D (GEOLOGY)
Term-End Examination
June, 2016

**RGY-002 : ADVANCES IN GEOLOGY AND
GEOLOGICAL FIELDWORK**

Time : 2 hours

Maximum Marks : 50

Note : (i) Answer any five questions.

(ii) Each question carries equal marks.

1. Write an essay on societal benefits of Earth System Science. 10
 2. Describe the kind of data you would collect in a fieldwork pertaining to geological or hydrological research. 10
 3. Discuss the latest instrumentation techniques in your research area. 10
- OR**
4. Explain the criteria of identification of folds and faults in the field. Draw neat sketches, if required. 10
 5. Discuss the procedure of documentation of observations in the field diary. 10
 6. Discuss about BHUVAN portal and its major significance in geological research. 10

6. Discuss briefly the procedures performed during GPS field survey. 10
7. Write short notes on **any two** of the following : $2 \times 5 = 10$
- (a) Sedimentary rocks
 - (b) Misuse of internet
 - (c) Operating system(s) with examples
 - (d) Geoheritage
8. Write short notes on **any two** of the following : $2 \times 5 = 10$
- (a) Field instruments in basic geological research
 - (b) RAM and ROM
 - (c) Field sketch and its importance
 - (d) Geological Map
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