Ex./GEOG/1/102/17/2017

**BACHELOR OF SCIENCE EXAMINATION, 2017**

(1st Year, 1st Semester)

**GEOGRAPHY** (HONOURS)

Paper - 102 T

**Elements of Physical Geography**

Time : Two hours Full Marks : 50

**GROUP - A** (20 marks)

Answer any ***two*** questions.

1. Discuss the major classification of temporal scale in physical geography. State the spatial classification of relief in physical geography as proposed by Baker. 4+6

2. State the basic principles of relative and absolute dating of rocks. Discuss the modern theories associated with origin of the earth. 4+3+3

3. Classify rocks on the basis of their origin. Give a detailed account of the properties of different types of igneous rocks. 3+7

(Turn Over)

4. Discuss the mechanism of global hydrological cycle. What do you mean by interruption of global water cycle ? 5

## GROUP - B

Answer any ***two*** questions.

5. Discuss the various factors controlling surface run off. 5

6. What is the role of moisture in the atmosphere ? 5

7. State the major landforms and species evolution during Palaeozoic era. 5

8. What are the factors affecting Evaporation ? 5

## GROUP - C

Answer any ***ten*** questions. 2x10=20

9. Distinguish between relative humidity and specific humidity.
10. What is second order relief ?
11. Define oceanic system.
12. What is carbon dating ?



13. Find out the relationship between Coriolis force and surface wind system.
14. How do ocean currents modify the weather of a place ?
15. Differentiate between spring and neap tide.
16. What is the difference between rocks and minerals ?
17. What do you mean by graded time ?
18. What do you understand by sub-surface run off ?
19. Highlight the relationship between infiltration and percolation.
20. Define river regime.
21. State the metamorphosed forms of shale and limestone.
22. Give examples of local and regional metamorphism.
23. Define gradient wind.