

**B.Sc. Semester-IV Examination, 2022-23****GEOLOGY [Honours]**

Course ID : 42012 Course Code : SH/GEL/402/C-9(T)

Course Title : Principles of Stratigraphy and Precambrian  
Stratigraphy of India

Time : 1 Hour 15 Minutes

Full Marks : 25

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **five** questions of the following:  $1 \times 5 = 5$
- What is polarity reversal?
  - What is the age of the Peninsular Gneiss?
  - Which craton contains the Malanjkhhand Granitoid?
  - Write the name of one black shale bearing formation within the Vindhyan Supergroup.
  - What does the acronym TTG stand for?
  - Define marker horizon.
  - What is the age of the Malani Igneous Suit?
  - What do you mean by "System" in chronostratigraphy?

2. Answer any **two** questions of the following:  $5 \times 2 = 10$
- Write a short note on K-T (Cretaceous-Tertiary) boundary problem.
  - Write down the stratigraphic succession of the Sausar Group of Bastar Craton.
  - State the fundamental laws in the Principles of Stratigraphy.
  - Compare between the Eastern and Western parts of Dharwar Craton.
3. Answer any **one** question of the following:  $10 \times 1 = 10$
- Discuss about the physiographic subdivisions of India. Write down the brief descriptions of the tectonic divisions of the Himalayas.
  - Write down the generalized stratigraphic succession of Aravalli Super Group. Briefly discuss the tectonic evolution of Aravalli Craton.