

B. Sc. 4th Semester (Honours) Examination, 2021

GEOLOGY

Course Id: 42012

Course Code: SHGEL-402C-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 side margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer *any five* of the following questions: 1x5 = 5
 - a. What is the age of the Archaean-Proterozoic boundary?
 - b. Write the name of the major manganese producing stratigraphic horizon of the Bhandara craton of central India.
 - c. Name the granitic body which occurs in between the eastern and western Dharwar craton.
 - d. Write the name of the diamond-bearing stratigraphic unit within the Vindhyan succession.
 - e. What is the fundamental unit of biostratigraphy?
 - f. What do you mean by eustatic sea-level?
 - g. What do you mean by the Puranas in Indian Stratigraphy?
 - h. Which stratigraphic province of India contains the Makrana marble?
 2. Answer *any two* of the following questions: 5x2 = 10
 - a. Write a short note on the Walther's Law of facies.
 - b. Briefly describe the mineralization associated with the Sargur Group of Dharwar craton.
 - c. Compare between lithostratigraphy and sequence stratigraphy.
 - d. Write a short note on the Closepet granite.
 3. Answer *any one* of the following questions: 10x1 = 10
 - a. Write down the generalized stratigraphic succession of the Cuddapah basin. Briefly describe the structural evolution of the basin. 5+5=10
 - b. Write down the generalized stratigraphic succession of the Aravalli Super Group. Briefly describe the tectonic evolution of the Aravalli craton. 5+5=10
-