

B. Sc. 4th Semester (Honours) Examination, 2021-2022

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. Mention the major Pb-Zn producing stratigraphic unit of Aravalli Craton.
 - b. What is the age of Eparchaeon Unconformity?
 - c. Which stratigraphic province contains Untala Granite?
 - d. Name the granitic body located between the Eastern and Western Dharwar Craton?
 - e. What is the smallest unit of lithostratigraphy?
 - f. What do you mean by eustasy?
 - g. What is the full form of CISZ?
 - h. Name the tectonic boundary between the Bastar and Singhbhum cratons.

 2. Answer *any two* of the following questions: 5X2 = 10
 - a. Compare between range zone and assemblage zone.
 - b. Briefly describe the Iron Ore Group of Singhbhum Craton.
 - c. Write a short note on the Banded Gneissic complex
 - d. Briefly describe about the physiographic divisions of India.

 3. Answer *any one* of the following questions: 10X1 = 10
 - a. Write down the generalized stratigraphic succession of the Vindhyan Basin. Briefly describe the evolutionary history of the basin. 7+3=10
 - b. Write down the simplified stratigraphic succession of the Dharwar Supergroup. Compare between the Eastern and Western Dharwar craton. 5+5=10
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