

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

GEOLOGY

Course Id: 42013

Course Code: SHGEL-403C-10(T)

Course Title: Phanerozoic 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. Which stratigraphic succession of India contains the Golden Oolite Bed?
 - b. Write down the name of the upper Carboniferous glacial bed from India.
 - c. Which fossil fuel makes Krishna-Godavari Basin economically important?
 - d. What is the age of Muth Quartzite?
 - e. Write down the name of characteristic floral assemblage of Permian.
 - f. Write down the name of a place from India, where marine incursion of during Gondwana period is reported.
 - g. What is the stratigraphic status of Biharinath Hill?
 - h. Name the type section of Permo-Triassic rock in the Eastern India.

 2. Answer *any two* of the following questions: 5X2 = 10
 - a. Write down the Cretaceous stratigraphic succession of the Cauvery Basin.
 - b. Write a short note on the Deccan volcanism and intra-trappean beds.
 - c. Briefly discuss on reservoir and source rocks of Bombay-offshore basin.
 - d. Write a short note on fossils in the Palaeozoic stratigraphic succession Spiti valley.

 3. Answer *any one* of the following questions: 10X1 = 10
 - a. Write down the general stratigraphic succession of the Gondwana in Damodar valley. Briefly describe the Damuda Group of rocks. 4+6=10
 - b. Write down the stratigraphic succession of the Bengal Basin.
-