

B. Sc. 3rd Semester (Honours) Examination, 2021

GEOLOGY

Course Title: Palaeontology

Course ID: 32013

Course Code: SHGEL-303C-7(T)

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: 1×5=5
- a. What is goniatitic suture in cephalopoda?
 - b. What is living fossil?
 - c. Define lagerstätten.
 - d. What is umbo?
 - e. Do Ptilophyllum and Glossopteris leaf impressions occur in the same indigenous association?
 - f. Does dentition present in the internal mould of bivalves?
 - g. Define acanthodian.
 - h. What is the earliest known ancestor of man?
2. Answer any two of the following questions: 2×5=10
- a. Write a short note on Cambrian explosion.
 - b. Write a short note on the rise of birds in the geological history.
 - c. Briefly describe the morphological characters of Order Nautiloidea.
 - d. Compare between Gastropoda and Cephalopoda.
3. Answer any one of the following questions: 10×1=10
- a. Write a short note on the effects of different factors on the dead organism after burial.
 - b. Briefly describe the dentition pattern in Pelecypoda with neat sketches. Describe different ornamentations on the external surface of Pelecypoda with examples. 5+5 = 10
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