

**B.Sc. 3rd Semester (Honours) Examination, 2019-20**

**GEOLOGY**

**Course ID : 32013**

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

**Course Title: Palaeontology**

**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. Write *any five* of the following questions: 1×5=5
    - (a) What is the meaning of original term, from which the word 'fossil' has derived?
    - (b) Define trace fossils.
    - (c) What is coprolite?
    - (d) Define index fossil.
    - (e) What do you mean by 'Cambrian Explosion'?
    - (f) What is goniatitic suture?
    - (g) Define biozone.
    - (h) What is cast?
  
  2. Answer *any two* of the following questions: 5×2=10
    - (a) Describe the essential characteristics for recognition of a material as fossil and different stages of taphonomy.
    - (b) Briefly discuss about the dentition pattern of pelecypod.
    - (c) Describe the major causes of Permo-Triassic mass extinction.
    - (d) Write a short note on Pre-Gondwana flora.
  
  3. Answer *any one* of the following questions: 10×1=10
    - (a) Describe different components of taxonomy. Mention the merits and demerits of taxonomy.
    - (b) Describe different modes of preservation of fossils.
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