

B.Sc. Semester III (Honours) Examination, 2018-19**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 margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer *any five* questions of the following: 1×5=5
 - (a) Define fossil.
 - (b) What is taxonomy?
 - (c) Define species.
 - (d) What is hyponome?
 - (e) What is the age of Ediacaran fauna?
 - (f) Give an example of living fossil.
 - (g) Give an example of sinistrally coiled gastropod.
 - (h) What is peristome of an echinoid?

 2. Answer *any two* questions of the following: 5×2=10
 - (a) Compare between Pelecypoda and Brachiopoda.
 - (b) Write short notes on the followings: 2·5×2=5
 - (i) Index fossil
 - (ii) *Lagerstätten*
 - (c) Briefly discuss about the evolution of suture pattern in ammonite shells with suitable sketches.
 - (d) Briefly discuss on upper Gondwana flora.

 3. Answer *any one* question of the following: 10×1=10
 - (a) Discuss about the fossilization process and modes of preservation.
 - (b) Discuss about the lower Gondwana flora and their possible relation to past climate.
-