

B.Sc. 1st Semester (Honours) Examination, 2019-20**ENVIRONMENTAL SCIENCE****Course ID : 11811****Course Code : SHENV-101-C-1**

Course Title: Earth and Earth Surface Processes

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* questions from the following: 1×5=5
- (a) What is the importance of geological time scale?
 - (b) How many major tectonic plates are found to hold Earth's crust?
 - (c) What causes the rock cycle?
 - (d) What is the atmosphere-ocean interface?
 - (e) What is the result of weathering process?
 - (f) Define Metamorphism.
 - (g) What is 'Orogenesis'?
 - (i) What is the main difference between the eastern ghats and the western ghats?
2. Answer *any two* questions from the following: 5×2=10
- (a) Briefly describe the evolution of earth's atmosphere. 5
 - (b) Give examples of igneous, sedimentary and metamorphic rocks by defining them first. 2½+2½=5
 - (c) What are the differences between minerals and rocks? What is lithification? 3+2=5
 - (d) What is the concept of continental drift? Briefly describe it. 5
3. Answer *any one* question from the following: 10×1=10
- (a) Briefly discuss the formation of the Indo-Gangetic plains. 10
 - (b) Write about the structure and composition of core, mantle and crust of the earth. 10
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