

- (f) What is lithogenesis?  
 (g) What do you mean by discontinuity?  
 (h) Describe two basic events related to Permian era?

2. Answer any *two* questions :  $5 \times 2 = 10$

- (a) Briefly discuss the formation of Western Ghats mountain systems. 5  
 (b) Briefly discuss the three principal models of isostasy. What is an example of isostasy? 4+1  
 (c) Write a short note on orogenesis in the light of plate tectonic theory. 5  
 (d) Briefly discuss the physical and optical properties of atmosphere. 5

3. Answer any *one* question :  $10 \times 1 = 10$

- (a) Briefly discuss the evolution of landforms in Aeolian and coastal processes. 5  
 (b) Write a short not on rock cycle. What are the different factors affecting the rock erosion? 5+5

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**B.Sc. 1st Semester (Honours) Examination-2022-23**

**ENVIRONMENTAL SCIENCE**

**Course ID : 11811 Course Code : SH/ENV/101/C-1**

**Course Title : Earth and Earth Surface Process  
(New)**

*Time* : 1 Hours 15 Minutes

*Full Marks* : 25

*The figures in the right hand margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any *five* questions :  $1 \times 5 = 5$

- (a) What is Benioff Zone?  
 (b) What is level of compensation?  
 (c) In which geological period Rajmahal Trap formed?  
 (d) What is the friction layer?  
 (e) What is geostrophic wind?