

Five Year Integrated M.Sc. Examination 2019

Semester-VI

Course: EES-3-6-5

(Environmental Earth Science)

Time: Three Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer **Question No.1** and **any four** questions from the rest.

1. Write short notes on **any four**: 4×2=8
 - a) Avalanche
 - b) Asthenosphere
 - c) Placer deposits
 - d) Mohs scale of hardness
 - e) Isostasy
 2. What do you understand by plate tectonics? What are the various processes that take place at tectonic plate boundaries? (3+5=8)
 3. Explain the different causes and processes involved in Earthquake to happen. Compare Richter scale with Modified Mercalli intensity scale and mention about earthquake prediction. (3+5=8)
 4. What do you mean by an ore? Explain the different types of physical properties to identify the minerals. (2+6=8)
 5. What is erosion? Describe the different types of chemical and physical weathering. (2+6=8)
 6. Explain the different factors which affect the eruption of a volcano? Mention the various types of volcanoes which are found around the globe. (4+4=8)
 7. What is a rock cycle? Describe the rock types specifically highlighting their important features. (2+6=8)
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