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Reg. No. : .....

Name : .....

First Semester M.Sc. Degree Examination, March 2018
Branch : ENVIRONMENTAL SCIENCES
ES 212 : Environmental Geology
(2013 Admission Onwards)

Time : 3 Hours Max. Marks : 75

All Saints College Trivandrum

I. Answer **any ten** of the following : **(10×2=20 Marks)**

1) What are the major divisions of Geologic Time Scale ?
2) Define a mineral.
3) Name any two physical weathering processes.
4) Differentiate between Oceanic crust and continental crust.
5) What are the causes of formation of tsunami ?
6) Describe the chemical properties of soil.
7) Define snow line.
8) What is stream ordering ?
9) What is Hydrologic budget ?
10) Explain methods of rainwater recharging.
11) Define watertable.
12) Describe the features represented in a topographic map.

II. Answer **any five** of the following : **(5×5=25 Marks)**

13) Describe the physical properties of minerals.
14) Explain the features produced by wind erosion.
15) Give representation of global distribution of water.

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16) Describe the use of environmental geologic maps in environmental studies.

17) What are the quality criteria for drinking water ?

18) What are the factors influencing soil formation ?

19) Write a note on the significance of sea floor spreading in Plate tectonics.

III. Answer **any two** of the following : **(2×15=30 Mark**

20) Write an essay on the structure and composition of the interior of the earth.

21) Describe and differentiate the forms, texture and structure of the three types of rocks.

22) Discuss briefly the common causes, effects and preventive measures of landslides.

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