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Reg. No. : .....

Name : .....

First Semester M.Sc. Degree Examination, May 2022

Environmental Sciences

ES 212 : ENVIRONMENTAL GEOLOGY

(2018 Admission Onwards)

Time : 3 Hours Max. Marks : 75

I. Write short note on **any ten** of the following:

1. Sea floor spreading
2. Moh's scale of hardness
3. Composition of the Core
4. Onion scale weathering
5. Features represented in geologic maps
6. Flood control measures
7. Confined and unconfined aquifers
8. Avalanches
9. Products of volcanic eruption
10. Causes of tsunami
11. Effects of urbanization
12. Hydrologic budget.

(10 × 2 = 20 Marks)

P.T.O.

II. Answer **any five** of the following:

13. Write short notes on tectonic and diastrophic forces.

14. Briefly explain the use of seismic waves in the study of Earth's interior.

15. Describe factors affecting soil formation.

16. List out long term and short term causes for the recession of glaciers.

17. Discuss ordering and classification of streams.

18. Effect-of groundwater recharge on watertable.

19. Discuss factors affecting slope stability.

(5 × 5 = 25 Marks)

III. Answer **any three** of the following :

20. Write an essay on the origin and evolution of the Earth.

21. Explain the following:

    (a) Sources of groundwater contamination

    (b) Origin of life

22. Write an essay on the causes, effects and prediction of earthquakes.

23. Discuss the erosion, transportation and deposition of wind.

(3 × 10 = 30 Marks)

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