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**MGE 457**

**Second Semester M.Sc. Degree Examination, September/October 2022**  
**MARINE GEOLOGY (CBCS)**  
**Geo-sciences (Open Elective)**

Time : 3 Hours

Max. Marks : 70

I. Define/state the following.

**(10×1=10)**

- 1) Lithosphere.
- 2) Era.
- 3) Cast and mould.
- 4) Granite.
- 5) Hydrosphere.
- 6) Mohorovicic discontinuity.
- 7) V-shaped valley.
- 8) Columnar joints.
- 9) Sand dune.
- 10) Beach.

II. Write short notes on **any five** of the following.

**(5×4=20)**

- 11) Atmosphere.
- 12) Rock cycle.
- 13) Water resources on earth.
- 14) Earthquake.
- 15) Importance of meteorites.
- 16) Salt water intrusion.
- 17) Metallic minerals.
- 18) Composition of the core.

P.T.O.



III. Answer **any four** of the following.

**(4×5=20)**

- 19) Describe primary structures in sedimentary rocks.
- 20) Coal formation of the earth.
- 21) Theories on origin of life.
- 22) Marine minerals.
- 23) Placer deposits.
- 24) Seawater as a resource – substantiate it with examples.

IV. Answer **any two** of the following.

**(2×10=20)**

25) Describe how the history of the Earth based on the geological time scale.

OR

What are renewable and non-renewable resources of the Earth. Add a descriptive note on fossil fuels.

26) What is structural geology ? Explain in detail on classification and types of joints.

OR

Define fossil. Explain different types, preservation of fossils and important applications.

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