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ESH 402

**First Semester M.Sc. Degree Theory Examination,
December 2018/January 2019
(CBCS)
ENVIRONMENTAL SCIENCE
Environmental Geology**

Time : 3 Hours

Max. Marks : 70

Instruction : Answer ***all*** the Parts and draw ***neat*** sketches ***wherever*** necessary.

PART – A

I. Write short notes on **any four** of the following (**not** exceeding **2** pages **each**) :

(4×4=16)

- 1) Importance of hydrosphere.
- 2) Characteristics of lithosphere.
- 3) Importance of environmental geology.
- 4) Physical properties of minerals.
- 5) Abundance of elements in the earth's crust.
- 6) Formation of sedimentary rocks.

PART – B

II. Write explanatory notes on **any five** of the following (**not** exceeding **3** pages **each**) :

(5×6=30)

- 7) Earth's rotation and its seasons.
- 8) Explain endogenic processes.

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- 9) Explain causes for landslides.
- 10) Earthquake hazards and mitigation.
- 11) Describe the geochemical cycle.
- 12) Consequences of natural resource depletion.
- 13) Methodology in site selection for environmental planning.

PART – C

III. Answer **any two** of the following (**not** exceeding **8** pages **each**) : **(2×12=24)**

- 14) Give an account of soil erosion and their conservation.
 - 15) Explain the geological work of rivers.
 - 16) Describe the geological features of Karnataka with examples.
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