

Total No. of Questions : 8]

SEAT No. :

P2762

[Total No. of Pages : 2

[5033] - 103
M.Sc. (Semester - I)
ENVIRONMENTAL SCIENCE
EVSC - 103 : Essentials of Geosciences
(2013 Pattern) (Credit System)

Time : 3 Hours]

[Max. Marks :50

Instructions to the candidates:

- 1) Solve any five questions from the following.*
- 2) Neat labelled diagrams must be drawn wherever necessary.*
- 3) Figures to the right indicate full marks.*

Q1) Answer the following : **[10]**

- a) Explain the internal structure of the earth.
- b) Explain the structures exhibited by metamorphic rocks.

Q2) Write notes on the following : **[10]**

- a) Mechanical weathering.
- b) Sea floor spreading.

Q3) Explain the following : **[10]**

- a) Formation of water falls.
- b) Processes of Glacial erosion.

Q4) Answer the following : **[10]**

- a) Explain the methods of preventing soil erosion.
- b) Explain how stalactites and stalagmites are formed.

Q5) Answer the following : **[10]**

- a) Discuss the characteristics of Drainage basins.
- b) Explain unconfined and confined aquifers.

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Q6) Write notes on : **[10]**

- a) Physical structure of the ocean floor.
- b) Thermohaline circulation.

Q7) Explain the following : **[10]**

- a) Causes and effects of sea level changes.
- b) Properties of sea water.

Q8) Write notes on : **[10]**

- a) Causes and effects of Tsunami.
- b) Excess withdrawal of groundwater.

