

Total No. of Questions :8]

SEAT No. :

[Total No. of Pages :3

P1724

[5230] - 11

M.Sc.

ENVIRONMENTAL SCIENCE

ENV - 101 : Environmental Geosciences

(2008 Pattern) (Semester - I) (Old)

Time : 3 Hours]

[Max. Marks :80

Instructions to the candidates:

- 1) Answer to the two sections should be written on separate books.*
- 2) Neat diagrams must be drawn wherever necessary.*
- 3) All question's carry equal marks.*
- 4) All questions are compulsory.*

SECTION - I

Q1) Attempt any two of the following:

- a) What is pressure? Discuss the measurement of pressure.
- b) What is solar radiation? Explain the electro-magnetic spectrum in detail.
- c) Write a note on Jet Stream.

Q2) Write any two from the following:

- a) Define Environmental lapse rate. Explain the effects of lapse rate on atmospheric stability.
- b) Define wind. Explain the types of wind in detail.
- c) Give brief classification of rocks.

P.T.O.

- Q3)** a) Define atmosphere. Explain detail chemical composition of atmosphere.
- b) Explain cyclone in detail.
- c) What are green house gases? Explain in detail impact of GHG on environment.

Q4) Write short notes on any two:

- a) Atmospheric Moisture;
- b) Droughts;
- c) Heat budget of Earth.

SECTION - II

Q5) Attempt any two from the following:

- a) Explain the detail internal structure of Earth.
- b) Define weathering. Explain the weathering process in detail.
- c) Write an account on the effect's of trace metal on human health.

Q6) Write any two from the following:

- a) Explain Global water balance in detail.
- b) What is REE? Explain it's classification in detail.
- c) What are the factor's influencing the surface water characteristics.

Q7) Attempt any two from the following:

- a) What are geological hazards? Explain in detail.
- b) Discuss the origin & composition of seawater.
- c) Explain soil profile diagram in detail.

Q8) Write short notes on any two:

- a) Fluctuations in sea level.
- b) Hydrological cycle.
- c) Global warming potential.

