



DII-003-018203

Seat No. _____

M. Sc. (Botany / Zoology / Microbio.)

(Sem. II) (CBCS) Examination

May / June – 2015

209 - Environmental Science

Faculty Code : 003

Subject Code : 018203

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

Instruction : All questions are compulsory.

1 Answer the following : (any seven) **14**

- (a) What is epilimnion ?
- (b) What is magma and lava ?
- (c) What is adhesion and cohesion forces ?
- (d) What is thermal stratification ?
- (e) What is tropopause ? Where it is found ?
- (f) Name the instrument which is used for measurement of visibility.
- (g) What is the difference between weather and climate ?
- (h) What is trophic level ?
- (i) What is limiting factor ?
- (j) What is EIA ?

2 Answer the following : (any two) **14**

- (a) Describe Shelford's law of tolerance.
- (b) Describe temperature as a limiting factor.
- (c) Describe food web.

3 Answer the following : **14**

(a) What is atmosphere ? Explain structure of atmosphere in detail.

(b) What is biogeochemical cycle ? Explain it.

OR

(a) What is clean development mechanism ?

(b) What is soil water potential ?

4 Answer the following : **14**

(a) Describe soil colloids, cation and anion exchange in brief.

(b) What is lithosphere ? Describe in brief.

5 Answer the following : (any two) **14**

(a) Explain temperature inversion.

(b) Describe ozone depletion.

(c) Write notes on non-renewable resources.

(d) Describe smog.

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