

S.No. : 445

ILLB2707

No. of Printed Pages : 04 .

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 29171 Roll No.

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Integrated LLB Examination 2018-19

(Seventh Semester)

ENVIRONMENTAL SCIENCE

Time : Three Hours]

[Maximum Marks : 60

Note : Attempt all questions.

SECTION 'A'

1. Attempt all parts of the following : 1×8=8

- (a) Who gave the term ecology?
- (b) Define term Natality.
- (c) "The pyramid of energy always takes a true upright shape". Why?
- (d) Give an example of Keystone species.
- (e) What is largest reservoir of phosphorus?

[P. T. O.

- (f) Write about ELR.
- (g) How can we stop endangered species from becoming extinct?
- (h) Define term competition.

SECTION 'B'

Note : Attempt any two parts of the following : $6 \times 2 = 12$

- 2. (a) Differentiate between food chain and food web. Explain various types of food chains with suitable example.
- (b) What is biogeochemical cycle. Explain nitrogen cycle with suitable example.
- (c) Describe analytical and synthetic characters of plant community.
- (d) Write short notes on :
 - (i) Biosphere
 - (ii) Population and density
 - (iii) Traditional knowledge and biodiversity conservation

SECTION 'C'

Note : Attempt all question from this section. Attempt any two parts of each question : $8 \times 5 = 40$

3. (a) Write short notes on the following :
- (i) Community
 - (ii) Climate factors
 - (iii) Biological levels of organization
 - (iv) Environment Protection Act 1986
- (b) Discuss various segments of environment in brief.
- (c) (i) Explain the necessity of environmental science.
- (ii) What is the meaning of environmental education?
4. (a) Write short notes on the following :
- (i) Ecological niche and habitat
 - (ii) Age structure of population
- (b) What is population growth rate? Describe logistic growth curve equation of population.

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- (c) Write short notes on the following :
- (i) Predation
 - (ii) Parasitism
5. (a) Define ecosystem. Give an account of structure and function of an ecosystem.
- (b) Define ecological pyramid. Describe the concept of ecological pyramid with suitable diagram of different ecosystem.
- (c) Write short notes on the following :
- (i) Co-evolution
 - (ii) Phosphorus cycle
6. (a) Write short notes on the following :
- (i) Species diversity
 - (ii) Species extinction
- (b) Describe international and national efforts to conserve biodiversity.
- (c) State two major threats to biodiversity. In what way has the project Tiger helped in the conservation of biodiversity in India.

