DE-1296
M. Sc. (Sem. I) (Environmental Science)
Examination
March / April – 2016
ENS - 101 : Fundamental of Environmental
Science & Ecology

Time : Hours [Total Marks : 70]

Instructions :

1. Figures to the right side indicate full marks.
2. Draw neat and labelled diagrams wherever necessary.

1: Attempt Any Two: (18)
   (a) Discuss Composition of atmosphere and explain characteristics of different layer of atmosphere.
   (b) Explain arid and semi-arid habitats of India
   (c) What ozone layer and ozone hole? What are the causes of ozone depletion?

2: Attempt Any Two: (18)
   (a) “Nuclear Energy is a source of future energy” Why?.
   (b) What are the alternative sources of energy? Differentiate between renewable and non-renewable energy resources.
   (c) Discuss a descriptive note on Ozone depletion.

3: Attempt Any Two: (18)
   (a) State the definition of Ecology. Write a note on scope and applications of ecology. Also explain matter and energy in the environment.
   (b) Explain Energy flow Model in detail.
   (c) Explain the reasons for wildlife loss in India and role of local community in wildlife management.

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4: Attempt Any Two:

(a) Explain arid and semi-arid habitats of India.
(b) What is ecological pyramid? Justify the statement “Energy pyramid is always upright.”
(c) Define community and also discuss features of communities in detail.