

01/2016

Your Roll No.....

Annual Examination 2016
Paper Code – ES – 01
Environmental Studies (For All U. G. Courses)

Time: Three Hours

Maximum Marks: 75

(Write your Roll Number at the top immediately on the receipt of question paper)
Attempt all questions. All parts of a question must be answered in continuation

Q1 (A). Mark the following statements as True (T) or False (F) (10x1=10)

- i). World Environment Day is celebrated on 5 June every year.
- ii) The death of the last individual of a species is called speciation.
- iii) Fossil fuels are non-renewable sources of energy
- iv) The envelope of gases surrounding the earth is called lithosphere.
- v) A biological community of interacting organisms and their physical environment is termed as an ecosystem
- vi) India is one of the megadiverse countries of the world.
- vii) An abundant accumulation of nutrients that support a dense growth of algae and other organisms is called acidification.
- viii) CFCs contribute to ozone depletion in the upper atmosphere.
- ix) Pollution is unwanted, harmful stuff contaminating an environment.
- x) The atmosphere is the main reservoir of nitrogen in the biosphere.

(B). Match the following:

(5x1=5)

- Column A**
- i) Biodiversity hotspot
 - ii) Dr. Salim Ali
 - iii) National Parks
 - iv) Fossil fuels
 - v) Acid rain

- Column B**
- a) Sulfur dioxide
 - b) Coal and petroleum
 - c) Eastern Himalaya
 - d) *In-situ* conservation
 - e) Ornithologists

Q2. Write an explanatory note on objectives and importance of environmental studies. (15)

OR

Discuss the multidisciplinary nature of Environmental Studies. How an environmental problem can be addressed with multidisciplinary approach?

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Q3. Giving suitable examples differentiate between renewable and non-renewable resources. Write a brief note on forest resources and consequences of deforestation. (15)

OR

What is an ecosystem? Discuss in detail the structure and function of the ecosystem.

Q 4. Attempt any two of the following:

7.5x2=15

- a) Role of public awareness in protecting environment
- b) Biodiversity and its levels
- c) Causes of global warming and its consequences
- d) Food chains, food webs and ecological pyramids
- e) Define the terms Atmosphere, Hydrosphere, Lithosphere and Biosphere

Q 5. Write brief notes on any two of the following:

7.5x2=15

- a) Sources of air pollution and its effect on living organisms
 - b) Endemism and biodiversity hotspots
 - c) *In-situ* conservation methods
 - d) Natural disasters and their mitigation
 - e) Desert ecosystems and their conservation
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