Sr. No. of Question Paper: 1540  E  Your Roll No.................
Unique Paper Code: ES – 2014
Name of the Course: Undergraduate courses [Compulsory & Qualifying]
Name of the Paper: Environmental Studies (ENVS - I)
Semester: I
Duration: 3 Hours
Maximum Marks: 75
पूर्णांक: 75

Instructions for Candidates
1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any five questions in English or Hindi.
3. All questions carry equal marks.

छात्रों के लिए निर्देश
1. इस प्रश्न-पत्र के मिलते ही ऊपर लिखे गए निर्देशित स्थान पर अपना अनुक्रमांक लिखिए।
2. किन्हीं पाँच प्रश्नों के उत्तर अपेक्षित अपना हिंदी में दे।
3. सभी प्रश्नों के अंक समान हैं।

1. (a) State True or False
   (i) Thar desert is located to the north of Delhi.
   (ii) Ozone hole was caused by Chlorofluorocarbons.
   (iii) World Environment Day is observed on 05 June every year.
   (iv) Soil is the main reservoir of nitrogen in the biosphere.
   (v) Aravali ranges run through Delhi.
   (vi) Desert ecosystems have high productivity.
   (vii) Geo-thermal energy is a non-renewable energy resource. (7×1=7)

P.T.O.
2. Answer the following in 4-5 sentences only.

(i) Sustainable development
(ii) Reasons for increased air pollution in Delhi
(iii) Human pollution growth and natural resources
(iv) Human health hazards from nuclear energy plants
(v) Pesticides and human health

निम्न के उत्तर में 4-5 वाक्यों में दें।

(b) Explain the following in one or two sentences only.

(i) Noise pollution
(ii) Biodiversity hotspots
(iii) Chlorofluorocarbons
(iv) Acid rain

निम्न को एक या दो वाक्यों में स्पष्ट करें:

(i) ध्वनि प्रदूषण
(ii) जैव-विविधता के मुक्तगाम
(iii) क्लोरोफिल्डूरो कार्बन
(iv) अम्लीय वर्षा

(4×2=8)
3. (a) What are the differences between renewable and non-renewable sources of energy? Explain giving suitable examples.

(b) Why is nuclear energy considered as an alternate source of energy? Why have civil society groups been agitating against Kudankulam nuclear power plant in India?

4. (a) Name the biotic and abiotic components of an ecosystem. Explain the role of biotic components in the functioning of any one ecosystem you have studied.

(b) What are the various goods and services provided by a forest ecosystem? Describe various threats to our forests.

5. (a) Define biodiversity. Why is it important to conserve biodiversity?

(b) State two major threats to biodiversity. In what way has the Project Tiger helped in the conservation of biodiversity in India?
6. (a) Discuss the multidisciplinary nature of Environmental Studies. Give a suitable example of how an environmental problem may be addressed with multidisciplinary approach.

(b) What are the causes and effects of the pollution of Yamuna river in Delhi? Suggest measures for control of pollution in the river.

7. (a) What according to you were the reasons for June 2013 Kedarnath disaster in Uttarakhand?

(b) Why is the resettlement and rehabilitation of people affected by mining and dam projects a major challenge in India? Illustrate your answer with a case study.

8. (a) Define food chain and food web. Depict a food web with the help of a schematic diagram.

(b) In your opinion do the various environmental legislations lead to human-wildlife conflict in India? Discuss.