

END TERM EXAMINATION

FIRST SEMESTER [B.TECH] JANUARY 2024

Paper Code: BS-109

Subject: Environmental Studies

Time: 3 Hours

Maximum Marks: 60

Note: Attempt five questions in all including Q. No.1 which is compulsory. Select one question from each unit.

Q1 Attempt all questions:-

- (a) Discuss the values of biodiversity. (2)
- (b) Discuss the urban problems related to energy. (2)
- (c) Explain the importance of women and child welfare program. (2)
- (d) Discuss the causes of soil pollution and their control. (2)
- (e) Explain the term 'Population explosion'. Enumerate its effects. (2)
- (f) Briefly discuss the current environmental issues. (2)

UNIT-I

- Q2 (a) Discuss the establishment of an Ecosystem. What do you understand by the term Ecological Succession? (4)
- (b) Why biogeochemical cycles are important for an Ecosystem. Make a well labeled diagram of any one cycle. (4)
- (c) Write short note on: (i) Biopiracy (ii) Impact of deforestation (4)
- Q3 (a) What is meant by biodiversity? Discuss the ways to conserve biodiversity. (4)
- (b) What are the three forms of ocean energy? Explain the process of OTEC in brief. (4)
- (c) Write short note on: (i) Ecological pyramids (ii) Biodiversity hotspots (4)

UNIT-II

- Q4 (a) Enumerate and explain the various methods to air pollution control with suitable diagram. (6)
- (b) (i) What is 'Thermal pollution'? State and explain the various sources of thermal pollution. (4)
- (ii) 'Recycling is an integral part of solid-waste management'. Comment. (6)
- Q5 (a) Name and explain, the various ways of secondary treatment of waste water treatment. (6)
- (b) (i) How you will define 'Disaster management'? Briefly describe the role of disaster manager and importance of advance planning in disaster management. (4)
- (ii) Write short note on Incineration. (2)

UNIT-III

- Q6 (a) What do you mean by sustainable development? Discuss the concept of sustainable development. (4)
- (b) What are greenhouse gases? Discuss their contribution to global warming. (3)
- (c) Write short note on:- (i) Acid rain (ii) Rainwater harvesting. (5)

P.T.O.

- Q7 (a) Briefly discuss the objectives of Resettlement and Rehabilitation Policy. (4)
(b) What are wastelands? Name and discuss the various methods of wasteland reclamation. (3)
(c) Describe briefly the provisions of the following acts (i) Air (prevention and control of pollution) Act, 1981 (ii) Water (prevention and control of pollution) Act, 1984. (5)

UNIT-IV

- Q8 (a) Briefly discuss the problems of 'Family welfare programme'. (3)
(b) What is 'value education'? Discuss the concept of value education with suitable example. (3)
(c) What do you understand by 'Human Rights'? List the important Articles of the 'Declaration of Human Rights, 1948' adopted and proclaimed by United Nations. (3)
(d) Briefly describe the various schemes launched for women and child welfare in India. (3)
- Q9 (a) Define the following terms (i) Population density (ii) Fundamental rights (6)
(b) What is AIDS? What are the sources and mode of transmission of HIV infection? (3)
(c) Comment on the role of IT in environment protection and human health. (3)

<https://www.ggsipuonline.com>

Whatsapp @ 9300930012

Send your old paper & get 10/-

अपने पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से