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Paper Code: B150101T

A (SVSU:2024-25/R)

Enrollment No.

Program Name: B.Sc. Environmental Sciences

I Semester / I Year Examination

Subject Code: B0150101T

Subject Name: Fundamentals of Environmental Science

[Time : 03:00 Hours]

[Max. Marks : 70]

Note : 1. Attempt all the questions as per given instructions.

1. Multiple Choice Questions (MCQs) [01×15=15]

- I** Which layers of the atmosphere consists of the ozone layer that is responsible for absorbing the Ultra-Violet (UV) light?
(a) Troposphere (b) Mesosphere (c) Stratosphere (d) None of these
- II** Celebrated in the form of World Environment Day all around the world?
(a) July 5th (b) June 10th (c) October 20th (d) June 5th
- III** Which of these gases is not permitted to be released by the Prevention and Control of Pollution Act by the Government?
(a) Sulphur Dioxide (b) Carbon Monoxide
(c) Nitrogen Oxide (d) All of the above
- IV** Which of these elements is present in the drinking water that can lead to numerous fatal diseases?
(a) Phosphorus (b) Calcium (c) Arsenic (d) None of the above
- V** Name the most frequent as well as naturally happening disaster.
(a) Earthquake (b) Flood (c) Tsunami (d) None of the above
- VI** Why are radiations harmful?
(a) Radiations leads to skin cancer (b) Radiations cause anemia
(c) Radiations changes body tissues (d) Radiations are not stable
- VII** Name the gas that is vital in maintaining atmospheric temperature.
(a) Oxygen (b) Carbon Dioxide (c) Nitrogen (d) None of the above
- VIII** All species on earth with each other along with their respective environments collectively constitute:
(a) Biosphere (b) Atmosphere (c) Hydrosphere (d) Lithosphere
- IX** Which of the following is the main reason for producing the atmospheric greenhouse effect?
(a) Absorption and re-emission of ultraviolet radiations by the atmosphere
(b) Absorption and re-emission of infrared radiations by the atmosphere

- (c) Absorption and re-emission of visible light by the atmosphere
(d) None of the above

X Chipko movement was started to conserve:

- (a) Forests (b) Grasslands (c) Deserts (d) Soil Answer:

XI The yellowness of the Taj Mahal is an effect of—

- (a) Acid rain (b) Allergens (c) Ozone depletion (d) None of the above

XII Which of the following gas is present in the air in maximum amount?

- (a) Nitrogen (b) Oxygen (c) Carbon dioxide (d) Methane

XIII Biodegradable waste is—

- (a) Plastics (b) Glasses (c) Eggshell (d) Polythene

XIV The uses of CFCs are:

- (a) Insulators (b) Aerosol propellants
(c) Refrigerants (d) All of the above

XV The ozone layer is present in:

- (a) Mesosphere (b) Thermosphere
(c) Stratosphere (d) None of the above

2. Answer in long (any three)

[10×3=30]

I Describe the salient features of the following environmental legislation:

- (a) Environment (Protection) Act
(b) Water (Prevention and Control of Pollution) Act

II Write an essay on “Environment Degradation and Conservation Issue”

III Discuss the effects of global warming. Write about your role to reduce the global warming.

IV Write short account on:

- (a) Environmental Education and (b) Wind erosion.

3. Answer in short (any five)

[5×5=25]

I Explain about the concept of environment.

II Differentiate between Biotic and Abiotic factors.

III Discuss the need for public awareness about environment.

IV Write a short note on Moral and Aesthetic nature of Environment science.

V Discuss the composition of Lithosphere with suitable diagram

VI Explain the principle of environmental Science.

VII Explain the structure and composition of atmosphere.