

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.Tech. Winter 2017 - 18 Examination

Semester: 1,2

Subject Code: 03104103

Subject Name: Environmental Studies

Date: 29/12/2017

Time: 2:00pm to 4:30 pm

Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Objective Type Questions**(15)**

1. World Environment Day is celebrated every year on _____.
2. The concentration of _____ gas is highest in our atmosphere.
3. The pollutant responsible for ozone layer depletion is _____.
4. Lowest Layer of atmosphere is called _____.
5. Acid rain is formed due to contribution of the gases like _____ with rain water.
6. The main source of energy is _____.
7. The group of organism that make their own food are known as _____.
8. The layer of atmosphere containing ozone gas is _____.
9. Evaporation, Condensation and Precipitation are steps in _____ cycle.
10. Energy Pyramid is always _____.
11. Atmosphere has following major constituents

(a) Nitrogen, Oxygen and Argon	(c) Carbon dioxide and Nitrogen
(b) Ozone, Methane and Nitrogen	(d) Nitrogen, Ozone and Oxygen
12. Area of land, water and air where the life exists is called as

(a) Biosphere	(c) Lithosphere
(b) Atmosphere	(d) Hydrosphere
13. Which of the following is non-conventional energy source?

(a) Fossil fuels	(c) Natural gas
(b) Wood	(d) Wind energy
14. Which of the following is biotic component?

(a) Soil	(c) Air
(b) Animal	(d) Water
15. Effect of Fluoride Pollution is mainly on

(a) Brain	(c) Heart
(b) Teeth	(d) Kidney

Q.2 Answer the following questions. (Attempt any three)**(15)**

- A) Write short note on Global Warming.
- B) Write a short-note on the Eutrophication, its effects and control measurements.
- C) Differentiate between Renewable Resources and Non-renewable Resources.
- D) Explain Environmental Protection Act, 1986

Q.3 A) Explain the sources and effects on human health of Air pollution.**(07)**

- B) Explain Hydrological Cycle with neat sketch.

(08)**OR**

- B) Discuss Ecological Pyramid in detail.

(08)**Q.4 A) Explain effects, causes and control of Population Explosion.****(07)****OR**

- A) Explain the causes and effects of noise pollution.

(07)

- B) Write a short-note on Acid rain.

(08)