

PARUL UNIVERSITY
FACULTY OF ARTS
B.A., Winter 2018 – 19 Examination

Semester: 1
Subject Code: 15193102
Subject Name: Environment Science and Studies

Date: 14/12/2018
Time: 10:30am to 01:00pm
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 Do as directed.**(08)****A. Multiple choice type questions. (Each of 0.5 mark)**

1. Coniferous forests grow in which region?

(a) Deccan area	(c) Himalayan regions
(b) Western Ghats	(d) Eastern Ghats
2. Which of the following is abiotic resource?

(a) Air	(c) Soil
(b) Plants	(d) both (a) & (c)
3. Herbivore organisms are the one who feeds on _____

(a) plants	(c) birds
(b) animals	(d) none of these
4. What is the expansion of WWF?

(a) World Wide Fund	(c) Wide World Fun
(b) World Wide Fun	(d) Wide Wide Fund
5. Omnivores who feed on _____

(a) plants	(c) air
(b) animals	(d) both (a) & (b)
6. The percentage of _____ is highest in the atmosphere.

(a) Argon	(c) Nitrogen
(b) Oxygen	(d) Hydrogen
7. Carnivores feed on _____

(a) plants	(c) air
(b) animals	(d) both (a) & (b)
8. Which of the following is non renewable resource?

(a) Minerals	(c) Oil
(b) Water	(d) both (a) & (c)
9. Which of the following is Wetland in India?

(a) Satluj	(c) Prayag
(b) Chilika Lake	(d) Tapi
10. Which of the following is natural resource?

(a) windmill	(c) dam
(b) lake	(d) none of these
11. Flood comes under _____.

(a) man disaster	(c) manmade disaster
(b) natural disaster	(d) both (a) & (b)
12. Which of the following comes under trace gases?

(a) Methane	(c) Nitrous Oxide
(b) Carbon dioxide	(d) all of these
13. Living parts of nature consists of plants and animals, including microbes _____

a. Abiotic	b. Biotic
c. Flora	d. Fauna
14. The lowest layer _____ the only part warm enough for us to survive in , is only _____ thick.

a. Stratosphere , 50km	b. Troposphere , 12km
c. Stratosphere , 12km	d. Troposphere , 12km

15. The living community of plants and animal in any area on the outermost layer of earth is defined as
- Lithosphere
 - Hydrosphere
 - Atmosphere
 - Biosphere
16. Plants are the _____ in ecosystem as they manufacture their food by using energy from the sun.
- Consumer
 - Producer
 - Both A and B
 - None of the above

B. Terms/ Short notes/ Case study/ Charts/ Graphs/ Tables, etc. (Each of 01 mark) (07)

- Define Renewable Resources.
- Define Ecosystem.
- What is the first law of thermodynamics?
- Give Full Form of BNHS, and CSE
- List the various spheres of the earth.
- What is thermodynamics?
- What are biotic and biotic components?

Q.2 Answer the following.

- Write a brief note for environmental studies with examples. (04)
- Discuss in brief the 1st and 2nd law of thermodynamics with examples. (04)
- Explain in brief the idea and flow from Unsustainable to Sustainable Development with suitable examples. (04)

OR

- Describe in Brief Women and Child Welfare with examples. (04)

Q.3 Answer the following.

- Write a short note on the domain of public awareness in the context of environmental studies. (05)
- Write a short not on Forest Ecosystem. (05)
- Write a short not on: Wasteland Reclamation. (05)

OR

- Explain in brief Deforestation with examples. (05)

Q.4 Answer the following.

- Explain in detail the various spheres of the earth with examples. (06)
- Write a detailed note on ecosystem and its types with examples. (06)
- Explain in detail the Environment Protection Act. (06)

OR

- Discuss in detail the trends in population growth among various Nations. (06)