

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF ARTS
B.Arts Winter 2019 – 20 Examination

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

Date: 18/12/2019
Time: 10:30 am to 1:00 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 Do as directed.

(08)

A. Multiple choice type questions. (Each of 0.5 mark)

1. The number of species of plants and animals that are present in a region constitutes its
diversity
(a) Biotic (b) Abiotic
(c) Species (d) Regional
2. Who is considered as the father of Nuclear Power development in India?
(a) Dr. Homi Bhabha (b) Dr. APJ Abdul Kalam
(c) Satish Dhawan (d) Ratan Tata
3. Find the odd man out.
(a) Solar energy (b) Wind energy
(c) Minerals (d) Hydropower
4. High levels of pollution can lead to hearing disabilities.
(a) Air (b) Noise
(c) Land (d) Soil
5. What does CEE stand for?
(a) Centre for Excellence (b) Centre for Environment Education
(c) Centre for Exam Evaluation (d) Centre for Environmental Excellence
6. Many Indian traditions are based on respect for nature and all living creatures.
(a) Correct (b) Incorrect
(c) Maybe (d) Not applicable
7. The forest patches protected traditionally as 'sacred' and worshipped as God's residence are known as
(a) Sacred forest (b) God's forest
(c) Sacred groves (d) Traditional forest
8. forests grow in the Himalayan mountain region, where the temperatures are low.
(a) Temperate (b) Coniferous
(c) Deciduous (d) Tropical
9. The components of environmental studies include
(a) Biology (b) Geology
(c) Anthropology (d) All of these
10. The ecosystems are classified into freshwater, brackish and marine ecosystems
(a) Aquatic (b) Land
(c) Wind (d) Forest
11. Water flowing down a natural gradient to turn turbines generates electricity known as
(a) Solar energy (b) Hydroelectric power
(c) Wind power (d) None of these
12. The Chipko Andolan was started to save
(a) Animals (b) Birds
(c) Trees (d) Roads
13. Which of the below is not a contagious disease?
(a) Conjunctivitis (b) Jaundice
(c) Swine flu (d) AIDS

14. CFCs stand for

- (a) Chlorofluorocards (b) Chlorofluorocarbons
(c) Chlorine fluoride cans (d) Chromatic flag cards

15. Which of the below is the odd one?

- (a) Minerals (b) Oils
(c) Coal (d) Solar energy

16. is a tool to map land use patterns and document change by studying digitized toposheets and/or satellite imagery.

- (a) Google maps (b) Geographical Information Systems
(c) Google lens (d) Data Maps

B. Answer in Short. (Each of 01 mark)

(07)

1. What do you understand by renewable resources?
2. Name the spheres that form the Earth.
3. What does environment study deal with?
4. Define 'Ecosystem'.
5. Name any two non-renewable resources.
6. What is biogas produced from?
7. What is the biotic part of environment?

Q.2 Answer the following.

- A. Highlight the heightened need for sustainable lifestyle. **(04)**
B. Write a note on the Narmada Bachao Andolan. **(04)**
C. The pollution in Delhi has become a major cause for concern. How could this problem be dealt with? **(04)**

OR

- C. Why is the concept of 'Reduce, Reuse, Recycle' relevant to environmental context in current times? **(04)**

Q.3 Answer the following.

- A. Write a note on the terrestrial ecosystems. **(05)**
B. Human consumption is at an alarmingly high rate leading to fast degradation of environment. Comment. **(05)**
C. How can environment affect human health? What can be done to reduce these impacts? **(05)**

OR

- C. Highlight the work done by BNHS, Wildlife Institute of India, and World Wide Fund for Nature to save the environment. **(05)**

Q.4 Answer the following.

- A. The Government of India came up with a scheme 'Pradhan Mantri Ujjwala Yojana' to provide LPG cylinders in rural areas to ensure the welfare of women and forests. Explain why and the benefits of this scheme. **(06)**
B. Explain the importance of biodiversity. **(06)**
C. It is said that Earth has ample of water on its surface but we face water crisis in current times. Why? How can we fight this situation and raise awareness for it? **(06)**

OR

- C. The rapid growth in population is leading to increased pressure on the environment leading to its degradation **(06)**