

DO NOT WRITE ANYTHING ON QUESTION PAPER EXCEPT YOUR NAME, DEPARTMENT AND ENROLMENT No.

Name of Student ----- Enrolment No. -----

Department / School -----

BENNETT UNIVERSITY, GREATER NOIDA

End Term Examination, Fall SEMESTER 2019-20

COURSE CODE: ESEA 301 L

MAX. DURATION: **3 Hours**

COURSE NAME: Environment and Sustainability

MAX. MARKS: **50**

Note: Write all answers on answer sheet. Do not write any answer on the question paper.

PART A

Answer the following multiple-choice questions [15 x 1 mark = 15 marks]

1. Which of the following chemicals are responsible for the depletion of the stratospheric ozone layer?
 - (a) Refrigerants
 - (b) Propellants
 - (c) Foam-blowing agents
 - (d) All of the mentioned
2. Which act was constituted in the year 1972?
 - (a) Wildlife act
 - (b) Forest conservation act
 - (c) Air (Prevention & control of pollution) act
 - (d) Water (Prevention & control of pollution) act
3. Two real components of an ecosystem are
 - (a) Plants and animals
 - (b) Trees and grasses
 - (c) Biotic and abiotic
 - (d) Carnivores and omnivores
4. Which one is important carbon cycle?
 - (a) Respiration by organisms
 - (b) Activity of bacteria in root nodules
 - (c) Thunder & lightning
 - (d) Absorption of mineral salts by roots

5. The most productive ecosystems are
 - (a) Desert ecosystem
 - (b) Grass land
 - (c) Temperate forest
 - (d) Tropical rain forest
6. Which has highest contribution to global warming
 - (a) Energy use and production
 - (b) CFC
 - (c) Agricultural activity
 - (d) Land use modification
7. Environment (protection) Act was established in
 - (a) 1978
 - (b) 1986
 - (c) 1965
 - (d) 1980
8. Running water ecosystems are called
 - (a) Lotic
 - (b) Lentic
 - (c) Limnetic
 - (d) Littoral
9. Rain water is naturally acidic so for acid rain the PH should be
 - (a) 6.00
 - (b) 5.00 or < 5.00
 - (c) Less than 5
 - (d) 3.00
10. Which is the major source of power generation in India?
 - (a) Coal – based thermal plants
 - (b) Wind – based power plants
 - (c) Hydro – power plants
 - (d) Wood – based thermal plants
11. Who coined the term ecology?
 - (a) Reiter
 - (b) Hackel
 - (c) Odum
 - (d) Tansley

12. What is 'Black Lung'?"
(a) Occupational hazard to the miners
(b) Occupational hazard to navigators
(c) Occupational hazard to pesticide applicators
(d) None of the above
13. Who coined the slogan of 'Chipko Movement "Ecology is Permanent economy"?'
(a) Jawaharlal Nehru
(b) Salim Ali
(c) Sunderlal Bahuguna
(d) Rachel Carson
14. The phenomenon of accumulation of non-biodegradable pesticides in human beings
(a) Biomagnification
(b) Bioaccumulation
(c) Biodegradation
(d) Bioremediation
15. Any unfavourable alteration of the environment may be called as
(a) Eutrophication
(b) Environmental pollution
(c) Biomagnification
(d) Bioaccumulation

Part B

Answer the following questions.

[10 x 2 marks = 20 marks]

1. What do you understand by natural resources? Explain the classification of natural resources.
2. What is noise pollution? Explain its causes in detail?
3. Describe the types of natural calamities?
4. What do you understand by sustainable development? Give an example
5. Explain water shed management?
6. Define Biodiversity hotspot?
7. Differentiate between point and non-point source pollutants with examples.
8. What is the role of Information Technology (IT) sector in disaster management?
9. Write a short note on population explosion
10. What is meant by the study of Environmental health?

PART C

[3 x 5 marks = 15 marks]

1. What do you understand by air pollution preservation and control act 1981? Explain main objectives of this act?
 2. What are the types of environmental pollution? Explain the problems caused by environmental pollution?
 3. Write an essay on present-day environment awareness in India? Do you think there is a need for public awareness regarding the environment in India?
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