



Nammuruf

**Avinashilingam Institute for Home Science and Higher Education for Women**  
(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD)  
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B  
Coimbatore - 641 043, Tamil Nadu, India

**Bachelor's/ Bachelor of Vocation / Bachelor of Engineering Degree Examination – May 2023**  
**IV Semester**

**Class : II UG/ II B.Voc. / II B.E**  
**Major : All Majors/ All Branches**

**Time : 2 Hours**  
**Max. Marks : 60**

**21BXNS04 / 21BVNSS4 / 21BENSS4 NSS- IV**

**Part-A**

**Choose the Correct Answer**

**20 x 1 = 20**

1. The presence of \_\_\_\_\_ in a water body is an indicator of water pollution.  
a. Zygosporangium  
b. E.Coli  
c. Deinococcus radiodurans  
d. None of the above
2. Lichens are good bioindicators for  
a. environmental radiation  
b. soil pollution  
c. water and air pollution  
d. none of the above
3. Study of trends in human population growth and prediction of future growth is called  
a. Demograph  
b. Biography  
c. Kalography  
d. Psychology
4. Ozone depletion in the stratosphere will cause:  
a. forest fires  
b. increased incidence of skin cancer  
c. global warming  
d. none of the above
5. The ozone hole appears in Antarctica during  
a. late winter  
b. peak summer  
c. early winter  
d. autumn
6. Today, the world's number one problem is  
a. pollution  
b. population explosion  
c. nuclear proliferation  
d. natural calamities
7. Depletion of the ozone layer is damaging to human health. Negative effects include  
a. skin cancers  
b. osteoporosis  
c. dyspepsia  
d. none of the above
8. Measuring BOD (Biological Oxygen Demand) is primarily used for  
a. estimating the types of microbes  
b. determine the level of dissolved oxygen  
c. estimating the quantity of organic matter in sewage water  
d. none of the above
9. Greenhouse gases are those that absorb and emit infrared radiation. Examples include  
a. Nitrogen  
b. Ozone  
c. Argon  
d. None of the above
10. Cosmic rays, such as gamma rays are a source of \_\_\_\_\_ pollution  
a. soil  
b. noise  
c. thermal  
d. radiation
11. The primary air pollutant responsible for acid rains is  
a. Carbon dioxide  
b. Sulphur dioxide  
c. Carbon monoxide  
d. Ozone

12. The primary agenda of the Kyoto protocol is to
  - a. regulate the hazardous wastes
  - b. regulate the production of nuclear energy
  - c. control anthropogenic sources of greenhouse gases
  - d. none of the above
13. The ultraviolet radiations in the stratosphere are absorbed by
  - a. Oxygen
  - b. Ozone
  - c. Sulphur dioxide
  - d. Argon
14. Carbon dioxide is primarily called a greenhouse gas because it traps
  - a. heat
  - b. light
  - c. warm currents
  - d. none of the above
15. Which of the following facts are incorrect?
  - a. Global warming is the rise in the average temperature of the earth's climate system
  - b. Eutrophication is observed in water bodies
  - c. The greenhouse effect is a natural phenomenon
  - d. Ozone is harmless to breathe
16. This is an organism used to gauge the quality of an ecosystem.
  - a. Decomposers
  - b. Predator
  - c. Bio-remediator
  - d. Bioindicator
17. One of the critical mechanism by which the environment controls population of species is
  - a. spread of disease
  - b. removal of excreta
  - c. check on death rate
  - d. supply of food
18. Short-term properties of the atmosphere at a given place and time is referred as
  - a. Climate
  - b. Microclimate
  - c. Season
  - d. Weather
19. \_\_\_\_\_ is a waste disposal method where solid organic wastes are converted to the residue and gaseous products through combustion.
  - a. Incarnation
  - b. Incineration
  - c. Incarceration
  - d. Incubation
20. The major cause of global population growth in the 18<sup>th</sup> and 19<sup>th</sup> centuries was
  - a. decrease in death rates
  - b. decrease in birth rates
  - c. industrial revolution
  - d. none of the above

**Part-B**

**5 x 2 = 10**

**Answer ALL the Questions**

**Answer the following in one or two sentences**

21. What do you know about climate change?
22. What is disaster?
23. List any two national level projects.
24. Why Documentation is essential?
25. Write any two regular activities conducted in your adopted village.

**Part-C**

**2 x 15 = 30**

**Answer ALL the Questions**

**Answer should not exceed 800 words or four pages**

- 26 a. Explain the importance of waste management.
- (or)
- 26 b. Write the role of youth in disaster management.
- 27 a. How do you document the NSS activities?
- (or)
- 27 b. Write a short note on Project Implementation.

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