REV-01
BMLT/66/33/38

2025/11

SET A

BACHELOR OF MEDICAL LABORATORY TECHNOLOGY
THIRD SEMESTER
ENVIRONMENT SCIENCE
BMLT – 301

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs. **Full Marks: 70**

Objective

Time: 30 min. **Marks: 20**

Choose the correct answer from the following: ***1×20=20***

1. UNFCCC is:
   a. United Nation Foundation Convention on Climatic Change and Development
   b. United Nation Foundation Convention on Climatic Change
   c. United Nation Framework Convention on Climatic Change and Development
   d. United Nation Framework Convention on Climatic Change

2. Properties of Ozone- depleting Substance which is not correct are:
   a. Highly stable
   b. Easily dissolved by rain
   c. Release Ozone
   d. Not dissolves by rain

3. Detritus food chain is:
   a. Those food chain starts from plants.
   b. Those food chain starts from living.
   c. Those food chain starts from animals.
   d. Those food chain starts from decay.

4. The term " Biosphere" was coined by:
   a. Edward Suess
   b. Henry David
   c. Edward Jenner
   d. Henry Suess

5. The effect of noise pollution is:
   a. Hypertension
   b. Deafness
   c. Headache
   d. All of the Above

6. Paris Agreement on climatic change(21st Conference of Parties) takes place on:
   a. 2013
   b. 2014
   c. 2015
   d. 2020

7. Relative humidity in the atmosphere is minimum during:
   a. Before sunrise
   b. Midnight
   c. When air temperature is lowest
   d. When air temperature is highest

8. Chipko Andolan take place in the year :
   a. 1975
   b. 1974
   c. 1973
   d. 1972

9. Important pollutant is :
   a. Arsenic
   b. Hydrocarbon
   c. Lead
   d. All of the Above

10. Renewable resource include:
    a. Hydrothermal
    b. Geothermal
    c. Solar
    d. All of the Above

11. Activated sludge in sewage treatment is:
    a. Secondary
    b. Primary
    c. Tertiary
    d. None of the above

12. 10 percent law in a ecosystem is:
    a. 99 percent lost and 1 percent gain
    b. 99 percent gain and 1 percent lost
    c. 90 percent gain and 10 percent lost
    d. 90 percent lost and 10 percent gain

13. Environment communication is mostly effective in:
    a. Policies making
    b. Project development
    c. Sustainable development
    d. All of the above

14. Highest percentage of gas in air is:
    a. Oxygen
    b. Carbon-dioxide
    c. Ozone
    d. None of the above

15. Narmada River Bachao Andolan (Save Narmada river) was started by:
    a. P.T.Usha
    b. G.V.Reddy
    c. Medha Patkar
    d. Nimkar

16. Cleanest Village in India is in a North-East village called:
    a. Dwarka
    b. Dawki
    c. Namsai
    d. None of the above

17. Plants carried out photosynthesis by specific radiation called :
    a. Photosynthetically passive radiation
    b. Photosynthetically active radiation
    c. Photosynthetically stable radiation
    d. Photosynthetically unstable radiation

18. Forest Conservation Act amended in:
    a. 1990
    b. 1988
    c. 1985
    d. 1995

19. An extensive number of chain interlinked in an ecosystem is:
    a. Carbon cycle
    b. Food chain
    c. Food web
    d. All of the above

20. Brackish water ecosystem is found in:
    a. Wetlands
    b. Sea
    c. Deltas
    d. River

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Descriptive

Time : 2 hrs. 30 min. Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. Define Sustainable Development Goal with examples. State one environmental livelihood programme with a Capacity Development programme for it 10

2. Define communication. Describe steps of effective communication for a good environmental training programme. 10

3. Define waste, kitchen waste and waste from laboratory with examples.Describe laboratory waste management and suggest any procedure of recycling waste material from laboratory. 10

4. Define Natural Resource Management. Classify and describe Natural Resource Management with examples. 10

5. Define Renewable and Non- Renewable resource. Classify and describe Renewable and Non- Renewable resource with examples. 10

6. Define water purification and describe large-scale and small scale water purification in detail. 10

7. Define sewage and sullage. Describe waste water and sewage treatment in detail. 10

8. Define pollution. Classify and describe pollution in detail. Describe health effects of some pollutants with their preventive measures. 10

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