M.Sc. ENVIRONMENTAL Sc.
SECOND SEMESTER
ENVIRONMENTAL POLLUTION
MEV – 202
[USE OMR FOR OBJECTIVE PART]

SET A

Duration: 3 hrs.

Full Marks: 70

[**Objective**]

Time: 30 min.

Marks: 20

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

1. Which of the following is a secondary pollutant?
   a. Carbon dioxide
   b. Sulphur trioxide
   c. Nitrogen
   d. None of above

2. Which of the following statements is true about SMOG?
   a. SMOG is derived from fog
   b. SMOG is derived from smoke
   c. SMOG is primary pollutant
   d. It is derived from smoke and fog

3. What is the health effects of excess fluoride in drinking water?
   a. Fluorosis
   b. Toothaches
   c. Lung disease
   d. Intestinal infection

4. Which of the following is NOT a primary pollutant?
   a. Ground level ozone
   b. VOCs
   c. NOx
   d. None of above

5. Which of the following is a waterborne disease?
   a. Typhoid
   b. Cholera
   c. Diarrhoea
   d. All of above

6. Ozone in lower atmosphere is an example of ...
   a. Primary pollutant
   b. Secondary pollutant
   c. Tertiary pollutant
   d. All of above

7. Nitrogen constitutes about 78% of the atmosphere
   a. By volume
   b. By mass
   c. By weight
   d. All of above

8. Which of the following is not an emerging pollutant?
   a. Arsenic
   b. PCBs
   c. Pesticides
   d. Food additives

9. When was the ozone hole discovered?
   a. 1964
   b. 1974
   c. 1984
   d. 1994

10. Which of the following is a particulate pollutant?
    a. Ozone
    b. Radon
    c. Fly Ash
    d. Ethylene

11. What are the chemicals that lead to acid rain?
    a. sulfur dioxide & nitrogen oxide
    b. Carbon dioxide
    c. Dust
    d. All of above

12. The World Health Organization (WHO) defines noise as noise pollution,
    a. Above 65 dB
    b. Below 50 dB
    c. 10 dB
    d. 35 dB

13. Hypertension is caused by,
    a. Noise pollution
    b. Water pollution
    c. Radioactive Pollution
    d. Air Pollution

14. Chlorofluorocarbon are nonflammable chemicals mainly used in _____.
    a. Perfumes
    b. Refrigerators
    c. Air conditioners
    d. All of the above

15. The most harmful environmental pollution from nuclear reactor is
    a. Air pollution
    b. radioactivity
    c. Thermal pollution
    d. Both (a) and (c)

16. Thermal pollution causes
    a. Disruptions in natural systems and even death of aquatic organism
    b. Disruptions in natural systems and even death of terrestrial organism
    c. Disruptions in natural systems and even death of both aquatic and terrestrial organism
    d. None of the above

17. Thermal pollution is related to
    a. Air
    b. Water
    c. Soil
    d. Climate

18. Presence of E. coli in water is an indication of ------------ contamination
    a. Fecel
    b. Lead
    c. Viral
    d. Mercury

19. Biochemical oxygen demand means
    a. Industrial pollution
    b. Air pollution
    c. Polluting capacity of effluent
    d. Dissolved oxygen needed by microbes to decompose organic waste

20. How many different types of primary pollutants together contribute to about 90 per cent of the global air pollution?
    a. 3
    b. 4
    c. 5
    d. 6

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(**Descriptive**)

Time : 2 hrs. 30 min.   Marks : 50

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

1. What do you mean by air pollution? What are primary and   2+3+5
    secondary pollutants? Write about sources and impacts of air   =10
    pollution

2. What is soil pollution? Discuss different sources of soil pollution.   1+6+3
                                                                            =10
    Write the impacts of radioactive pollution on human health.

3. What is noise pollution? Describe the sources and effects of noise   2+8=10
    pollution?

4. Write short notes *(any two)*   5+5=10
    a. Criteria pollutants
    b. Emerging pollutants
    c. Simple air pollution models

5. What is good ozone and bad ozone? How ozone layer is depleted?   3+3+6
    What measures could be taken to reduce ozone layer depletion?   =10

6. What is acid rain? Write causes and consequences of acid rain.   2+8=10

7. Write short notes on *(any two)*   2×5=10
    a. Eutrophication
    b. Biomagnification
    c. Waste water treatment
    d. Water quality parameters

8. Write short note on *(any two)*   2×5=10
    a. Radioactive pollution
    b. Pesticide pollution
    c. Oil pollution

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