PAPER CODE:5808

M. Sc. Sem-III End Semester Examination (OLD Course)
March June 2021
Subject: Zoology
MSZOO301ES: ECO-TOXICOLOGY (ETL)

કુલ સમય :– ૬૦ મીનીટ કુલ પ્રશ્નો : ૫૦ વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૩૫

નોંધ : વિદ્યાર્થીએ માત્ર ૩૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૩૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

1 Smoke, fumes, ash, dust, nitric oxide and sulphur dioxide are the main sources of _____.
a. Primary Pollutants b. Secondary pollutants c. Bio-Degradable Pollutants d. None of the above

2 A harmful substance produced by biological system is specially referred to as a _____
a. toxicant b. toxin c. xenobiotic d. poison

3 The most common target organ of toxicity is the_____
a. heart b. lungs c. CNS d. skin

4 Which of the following gas is more in percentage in the air?
a. Oxygen gas b. Nitrogen gas c. Water vapour d. Carbon dioxide gas

5 What is the lowest layer of atmosphere is called?
a. troposphere b. mesosphere c. stratosphere d. thermosphere

6 What is the ambient noise level in the residential one during night time?
a. 40 Dbb. 45 dB c. 50 dBd. 55 dB

7 Mutagens are agents that can cause:
a. cancer. b. birth defects
c. reduce sperm counts d. sudden change in the genetic structure of the living organism.

8 At what decibel instantaneous rupture of membrane happens?
a. 100 b. 120 c. 146 d. 150

9 What is noise?
a. Desirable sound b. Desirable and unwanted sound
c. Undesirable and unwanted sound d. Undesirable and wanted sound

10 Carcinogens are the toxins which cause:
a. birth defects b. cancer.
c. sudden change in the genetic structure of the living organism. d. reduce sperm counts

11 What is the dB of a threshold of hearing?
a. 0 b. 10 c. 50 d. 100

12 In which unit sound is measured?
a. Kilometre b. Pascal c. Kilogram d. Decibel

13 Noise pollution can cause
a. hypertension b. sleep disturbance c. hearing loss d. all of the above

14 Dose is:
a. the amount of toxicant administered in a body b. the amount of a toxicant administered per unit of a body
c. any chemical administered in an individual d. None of the above

15 Which of the following agents is responsible for turning the Taj Mahal yellow?
a. Sulphur b. Chlorine c. Sulphur dioxide d. Nitrogen dioxide

16 Ecotoxicology is the study of_____
a. Chemical interactions of organism and environment b. Physical interactions of organism and environment
c. Thermal interactions of organism and environment d. Biological interactions of organism and environment

17 Which of the following is a kind of nuclear radiation?
a. α particle b. β particle c. γ particle d. all of the above

18 Who was the first scientist to coin the term SMOG and to describe the layers of SMOG?
a. Nikola Tesla b. Stephen Hawking c. Dr Henry Antoine d. Nicolaus Copernicus

19 Hazard estimation in ecotoxicology is done based on _____.
a. Accumulation b. Bio-accumulation c. SARA d. HWL

20 Chemical agents are of two types:
a. hazardous and toxic b. pollutant and toxic c. hazardous and pollutant d. None of the above

21 Which of the following is called the secondary air pollutant?
a. PANsb. Ozone c. Carbon monoxide d. Nitrogen Dioxide

22 Eco-toxicology is based on _____ characteristics of chemicals.
a. Chemical b. Physical c. Toxicological d. Biological

23 What is the toxicological effect of Lead?
a. systemic poison. b. irritates eyes, upper respiratory system.
c. inhibition of synthesis of haemoglobin, affects central and peripheral nervous system.
d. cause insomnia, depression and irritability.

24 Which of the following statements is true about the Air Quality Index?
a. It indicates the colour of the air. b. It predicts ozone levels in your area.
c. It determines the intensity of sound and sound pollution. d. It estimates air pollution mainly sulphur content in the air.

25 species is used as screening of chemicals.
a. *Eisinia foetida*b. *Folsomia candida* c. *Enchytraeus albidus* d. Zebrafish