

MEV-004

POST GRADUATE DIPLOMA IN ENVIRONMENTAL AND
OCCUPATIONAL HEALTH (PGDEOHOL)
ENVIRONMENTAL TOXICOLOGY

Time : 90 Minutes

Maximum Marks : 50

Note : i) Attempt all questions.

ii) Each questions carries 1 mark.

1. is the most widely used non-ferrous metal in transportation and construction.

- A) Boron
- B) Aluminium
- C) Carbon
- D) Helium

2. Rachel Carson published in 1962.

- A) Silent Spring
- B) Silent Summer
- C) Silent Winter
- D) Silent Autumn

3. Ramazini's disease of workers was published in

- A) 1800
- B) 1500
- C) 1700
- D) 1600

4. was one of the founders of modern toxicology.

- A) Paracelsus
- B) Darwin
- C) Rachel Carson
- D) Carlton

5. is a natural pollutant.

- A) Forest fires
- B) Benzene
- C) Toluene
- D) C. vibrio

6. is an indoor pollutant.

- A) Benzene

- B) Carbon monoxide
- C) Pollen grains
- D) Seeds of Poppy

7. contain resorcinol.

- A) Nail polish
- B) Moisturisers
- C) Lipsticks
- D) Hair dyes

8. toxicology involves the toxic effects of diet.

- A) Nutritional
- B) Behavioural
- C) Molecular
- D) Biochemical

9. can easily replace calcium in the bones.

- A) Molybdenum
- B) Boron
- C) Zinc
- D) Lead

10. Quinacrine is an drug.

- A) antiviral
- B) antimalarial
- C) antiparasitic
- D) antifungal

11. Benzoic acid is a/an acid.

- A) Organic
- B) Inorganic
- C) Synthetic
- D) Phosphoric

12. Mycotoxins are metabolites of

- A) Fungus
- B) Virus
- C) Bacteria
- D) Parasites

13. Aspergillus is a

- A) Bacteria

- B) Virus
- C) Fungus
- D) Parasite

14. Chikengunya is caused by:

- A) Virus
- B) Bactria
- C) Fungus
- D) Algae

15. is the cause of farmer's lung.

- A) *V. cholerae*
- B) *S. aureus*
- C) *Micropolysporafaeniis*
- D) *E. coli*

16. Hazard estimation in ecotoxicology is done based on

- A) Accumulation
- B) Bioaccumulation
- C) SARA
- D) HWL

17. NOEC stands for

- A) No observed effect call
- B) No observed effect concentration
- C) New observed effect concentration
- D) None of the above

18. Electrostatic precipitators are used to control pollution.

- A) Office
- B) Water
- C) Soil
- D) Air

19. The paper-disc method is an assay.

- A) Antimitotic
- B) Antimeiotic
- C) Antifungal
- D) Antitoxic

20. belongs to the retinoid group of drugs.

- A) Thalidomide

- B) Aceutane
- C) Alcohol
- D) Tetracycline

21. The Ame's assay is for analyzing damage.

- A) DNA
- B) Skin
- C) Lipid
- D) Protein

22. What is the first step in the development of dose-response relationship curve?

- A) Toxic endpoint
- B) Endpoint
- C) Start point
- D) Intermediate point

23. Which of the following is a hepatotoxin?

- A) Methanol
- B) Hydrazine
- C) Acetaminophen
- D) Atrazin

24. DDT is a

- A) Food additive
- B) Colourant
- C) Pesticide
- D) Preservative

25. is a halogenated solvent.

- A) Water
- B) Chloroform
- C) Hydrogen
- D) Oxygen

26. is used to ferment baked foods.

- A) Yeast
- B) Algae
- C) Nutmeg
- D) Rhizobium

27. is used in Shampoo/Soaps.

- A) HCl

- B) Tridosan
- C) H_2SO_4
- D) HF

28. The term 'toxin' was first used by

- A) Heinrich
- B) Birchmann
- C) Ludwig Brieger
- D) Darwin

29. Honey bee venom contains

- A) Cytotoxin
- B) Aitoxin
- C) Cyanotoxin
- D) Neurotoxin

30. Tetanus toxin is generated by

- A) *C. tetani*
- B) *S. aureus*
- C) *B. subtilis*
- D) Palythoa

31. Candidiasis is caused by:

- A) Virus
- B) Fungus
- C) Parasite
- D) Bacteria

32. is a toxin found inside a bacterial cell.

- A) Endotoxin
- B) Exotoxin
- C) Apotoxin
- D) Enterotoxin

33. The Hantavirus is a virus.

- A) DNA
- B) RNA
- C) TNA
- D) PNA

34. Rotaviruses are viruses.

- A) RNA

- B) PNA
- C) DNA
- D) TNA

35. Cheese washer's lung is caused by

- A) Penicillium spores
- B) Bacteria
- C) Viruses
- D) Parasites

36. Hematological means related to

- A) Blood
- B) Skin
- C) Lung
- D) Heart

37. Vacuum extraction is used for remediation.

- A) Soil
- B) Water
- C) Air
- D) Plants

38. LD refers to

- A) Lethal dose
- B) Lethal concentration
- C) Lethal disc
- D) Lethal dryer

39. Pressure amines are found in

- A) Tomato
- B) Banana
- C) Pineapple
- D) All of the above

40. Goitrogens are found in

- A) Broccoli
- B) Tomato
- C) Peach
- D) Nuts

41. Electrokinetic method of soil remediation is a method.

- A) Biological

- B) Physico-chemical
- C) Chemical decontamination
- D) Vacuum extraction

42. is the maximum permissible concentration of cadmium in meat and raw poultry.

- A) 0.05 mg/kg
- B) 0.02 mg/kg
- C) 0.01 mg/kg
- D) 0.03 mg/kg

43. was a pesticide reported in some major soft drink brands.

- A) PCB's
- B) VOC's
- C) Lindane
- D) Turmeric

44. Adipic acid is used in

- A) Baked items
- B) Pesticides
- C) Paints

D) Detergents

45. are alkyl esters of para-hydroxybenzoic acid used as preservatives.

A) Parabens

B) Triclosan

C) PAH

D) TiO₂

46. causes valley fever.

A) Histoplasma

B) Coccidioides

C) Candida

D) Pneumocystis

47. involves the study of the effect of environmental factors on gene modification and subsequent modification of cell programming.

A) Exogenetics

B) Epigenetics

C) Exigenetics

D) Exotoxicity

48. The Glymphatic system is a waste clearance pathway for the

- A) Skin
- B) Lungs
- C) Gastrointestinal system
- D) Central nervous system

49. refers to the addition of oxygen and removal of hydrogen or electrons.

- A) Hydrolysis
- B) Conjugation
- C) Reduction
- D) Oxidation

50. $R - NO_2 \rightarrow R - NH_2$ is a type reaction.

- A) A_{20} reduction
- B) Nitroreduction
- C) Carbonyl reduction
- D) Hydrolysis