

MEVE-003

POST GRADUATE DIPLOMA IN ENVIRONMENTAL AND  
OCCUPATIONAL HEALTH (PGDEOHOL)  
AGRICULTURE AND ALLIED SECTOR

Time : 90 Minutes

Maximum Marks : 50

Note : i) Attempt all questions.

ii) Each question carries equal marks.

1. Gibberellic acid is a:

- A) Growth promoter
- B) Biopesticide
- C) Fumigants
- D) Fertilizer

2. .... is not an organophosphate insecticide.

- A) Malathion
- B) Parathion
- C) Dichlorvos
- D) Cholecalciferol

3. The first commercially made fertilizer is:

- A) Urea
- B) Single superphosphate
- C) Ammonium sulphate
- D) Diammonium phosphate

4. The Fertilizer Use Efficiency (FUE) has been on the decline due to:

- A) Organic farming
- B) Balanced fertilization
- C) Adoption of intensive cultivation and cropping systems
- D) Integrated pest management

5. The father of Green Revolution in the world is:

- A) M. S. Swaminathan
- B) Norman Borlaug
- C) R. K. V. Rao
- D) Raj Krishna

6. A senescent lake is characterized by:

- A) Clear bodies of water
- B) Silty sediments at the bottom
- C) Frequent algal blooms
- D) Much rotted emergents vegetation growing throughout the lake

7. Nutrient cycled in the soil through atmosphere is:

- A) Calcium
- B) Nitrogen
- C) Phosphorus
- D) Potassium

8. Soil acidity is generally modified by adding:

- A) Fertilizer
- B) Pesticides
- C) Irrigation
- D) Liming

9. Accelerated erosion occurs because of the action of:

- A) Water
- B) Wind
- C) Gravity
- D) Faulty agricultural practices

10. The rills or small channels with more than 30 cm depth are called:

- A) Splash erosion
- B) Sheet erosion
- C) Rill erosion
- D) Gully erosion

11. Human intervention that has not resulted in soil degradation is:

- A) Deforestation
- B) Overgrazing
- C) Mismanagement of agriculture land
- D) Conservation measures

12. Areas of land where the mean annual rainfall is lower than the total amount of water evaporated in the atmosphere is called as:

- A) Dryland
- B) Wetland
- C) Forest
- D) Pastures

13. The process by which rocks are broken down at Earth's surface is called as:

- A) Nitrification
- B) Weathering
- C) Erosion
- D) Degradation

14. An invasive species is:

- A) Native plant and animal species
- B) Non-native plant and animal species
- C) Live in symbiotic relationship
- D) Live in parasitic relationship

15. Zebra mussels an invasive species of freshwater were introduced to the great lakes by:

- A) Migrating Native Americans
- B) Ballast Water
- C) Air
- D) Soil

16. Livestock sector does not include:

- A) Animal husbandry
- B) Dairying
- C) Fisheries
- D) Agriculture

17. The largest contributor of meat in India is:

- A) Poultry
- B) Buffalo
- C) Goat
- D) Pig

18. Two third of the milk production in India comes from:

- A) Buffaloes
- B) Cow exotic/crossbred
- C) Cow indigenous/non-descript
- D) Goats

19. The largest producer of meat in India is:

- A) Andhra Pradesh
- B) Uttar Pradesh
- C) Telengana
- D) West Bengal

20. Which one is not a green house gas?

- A) Water vapour ( $H_2O$ )
- B) Carbon dioxide ( $CO_2$ )
- C) Methane ( $CH_4$ )
- D) Ammonia ( $NH_4$ )

21. The major contributor of methane gas amongst the livestock:

- A) Ruminants
- B) Non-ruminants
- C) Fishes
- D) Poultry

22. Anthropogenic means:

- A) Caused by nature
- B) Caused by animal
- C) Caused by human being
- D) Caused by birds

23. Inorganic waste is:

- A) Non-biodegradable waste
- B) Biodegradable waste
- C) Coming from plant
- D) Coming from animal like cow dung

24. Zoonotic disease can be transmitted from:

- A) Animals to people
- B) Plants to people
- C) Animals to plants
- D) Plants to animals

25. Aquaculture is responsible for:

- A) Solid waste generation
- B) Climate change
- C) Air pollution
- D) Eutrophication

26. Mariculture is:

- A) Farming of freshwater fish
- B) Farming of marine fish
- C) Farming of medicinal plants
- D) Farming of rabbit

27. Semisolid manure contains:

- A) Fewer than 5% solids
- B) More than 20% solids
- C) 5% to 20% solids
- D) More than 50% solids

28. Which of the following is not an objective of composting?

- A) Elimination of toxic substances
- B) Incineration
- C) Reduction of mass
- D) Stabilization

29. Maximum methane is produced from:

- A) E-waste
- B) Plastic waste
- C) Cow dung
- D) Metallic waste

30. Composting is the process of:

- A) Burning of animal waste
- B) Drying of animal waste in sun
- C) Recycling of waste
- D) Decomposition of waste by microbes

31. Biogas is produced from biomass through:

- A) Fermentation
- B) Pyrolysis
- C) Aerobic treatment
- D) Anaerobic treatment

32. .... is not an agent of biological pest control.

- A) Parasitoids
- B) Predators
- C) Microbial control
- D) Rhizobium

33. Which fungi among the following is not a biological control agent?

- A) *Metarhizium anisopliae*
- B) *Beauveria bassiana*
- C) *Vertecillium lecanii*
- D) *Bacillus thuringiensis*

34. 'Silent Spring' book is written by:

- A) M. S. Swaminathan
- B) E. P. Odum
- C) Verghese Kurien
- D) Rachelo Carson

35. The major concern in organic farming is:

- A) Insect-pest management
- B) Irrigation
- C) Fertigation
- D) Low productivity as compared to inorganic farming

36. *Azadirachta indica* is:

- A) Neem
- B) Ashok
- C) Tamarind
- D) Cotton

37. Which one of the following is not a natural botanical?

- A) Nicotine
- B) Rotenone
- C) *Sabadilla*
- D) Parathione

38. ICAR–National Research Centre for Integrated Pest Management is located at:

- A) New Delhi
- B) Hyderabad
- C) Bangalore
- D) Raipur

39. World Environment Day is celebrated on:

- A) 5th April
- B) 5th May
- C) 5th June
- D) 5th July



40. Which one of the following has the maximum Phosphorus content?

- A) Poultry manure
- B) Fish meal
- C) Guano
- D) Stera manure

41. World's first fully organic state is:

- A) Meghalaya
- B) Odisha
- C) Sikkim
- D) Jharkhand

42. .... not a nitrogen fixing bacterium.

- A) Azotobacter
- B) Xanthomonas
- C) Klebsiella
- D) Clostridium

43. Which of the following microorganisms is unable to fix nitrogen from the atmosphere?

- A) Anabaena
- B) Oscillatoria
- C) Lactobacillus
- D) Nostoc

44. Eutrophication results in the reduction of:

- A) Dissolved salts
- B) Dissolved nitrates
- C) Dissolved oxygen
- D) Parasitic protozoa

45. Green manure plants used by farmers mainly belong to:

- A) Leguminosae
- B) Poaceae
- C) Solanaceae
- D) Compositae

46. Most common symptoms of food poisoning are:

- A) Nausea and Vomiting
- B) Constipation
- C) Joint pain
- D) Headache

47. Non-synthetic chemicals are used in:

- A) IPM
- B) Organic farming
- C) Intensive farming
- D) Monoculture

48. Minamata disease occurred due to the pollutant:

- A) Lead
- B) Cadmium
- C) Iron
- D) Mercury

49. Tillage is defined as:

- A) The arrangement of soil particles
- B) The relative proportion of sand, silt and clay particles in a soil mass
- C) The physical manipulation of soil to provide favourable soil environment
- D) Naturally occurring inorganic material

50. Spraying of DDT produces pollution of:

- A) Air
- B) Water
- C) Soil
- D) Air, water and soil