

B.Sc Sem (III)  
Study materials MCQ SEC-I (Pesticide Chemistry)

Q1. The substances that are meant to control pests.

- (a) Herbicides (b) Insecticides  
(c) Pesticides (d) Rodenticide.

2. Which one is pest?

- (a) Pathogen (b) All of these (c) Mouse  
(d) Insect.

3. The phenomenon of using a predator for controlling a pest is

- (a) Genetic engineering (b) Artificial control  
(c) Confusion technique (d) Biological control

4. Thurioside is

- (a) Weedicide (b) Insecticide (c) Antibiotic  
(d) Fungicide.

5. A third generation pesticide is

- (a) weedicide (b) Juvenile hormone analogue  
(c) Pheromone (d) Sterilogramone.

6. Biopesticides include

- (a) Bioherbicides (b) Bioherbicides & bioinsecti-  
cides.  
(c) Bioinsecticides (d) Bioherbicides, bioinsecti-  
cides and biofertilizers.

7. Which of the following is a fungicide?

- (a) Thiiram
- (b) Capton
- (c) Dichlone
- (d) All of above

8. First Commercial Pesticide was

- (a) Bordeaux Mixture
- (b) 2,4-D
- (c) DDT
- (d) Burgandy Mixture

9. Insecticides kill

- (a) Only Plant Pests
- (b) Harmful insects
- (c) Both harmful and useful insects
- (d) Specific insects

10. Nobel Prize was awarded to Paul Muller on the discovery of which of the following pesticides.

- (a) Parathion
- (b) DDT
- (c) Pyrethrum
- (d) Malathion

11. First pesticide used by man is

- (a) Thumicide
- (b) Pheromone
- (c) Rotenone
- (d) Pyrethrin

12. Houseflies and Mosquitoes have become resistant to the

- (a) Aldrin
- (b) BHC
- (c) DDT
- (d) Malathion



13. Pesticides disturb the ecosystem by eliminating the

- (a) Organisms which form the Food chain
- (b) None of these
- (c) Micro-Organism of crop
- (d) Organisms which protect the environment.

14. Methyl isocyanate gas is used for synthesizing

- (a) Selvin (b) Baygon (c) Flit (d) Temik.

15. What is the main problem caused by the use of pesticides?

- (a) They kill silkworm (b) They deform the gills of some fishes (c) Their residues persist in waters and other components of the environment
- (d) Mosquitoes have become resistant to DDT

16. DDT was first synthesized by

- (a) Schrader (b) Michael Faraday
- (c) Othmar Zeidler (d) Paul Muller.

17. Pesticides cause

- (a) None of these (b) Aquatic Pollution
- (c) Air Pollution (d) Noise Pollution

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19. IPM stands for

- (a) Integrated Pest Management
- (b) Integrated Plant Management
- (c) International Population Management
- (d) International Plant Management.

20. Which of the following pesticides are non-biodegradable?

- (a) Triazines
- (b) Organophosphates
- (c) Organochlorines
- (d) None of these.

21. The pesticides used in killing the aquatic pests is related to

- (a) Crude oil
- (b) DDT
- (c) BHC
- (d) Kerosene oil.

22. Carbamates include

- (a) Fungicides, herbicides and insecticides.
- (b) Insecticides only
- (c) Herbicides, insecticides and nematocides.
- (d) Insecticides, nematocides and rodenticides.





23. Bordeaux mixture is

- (a) Organochlorine
- (b) Antibiotic
- (c) Organophosphate
- (d) Inorganic Fungicide.

24. In India, the most commonly used Pesticide BHC is

- (a) Carbamate
- (b) Triazine
- (c) Organochlorine
- (d) Antibiotic.

25. The chemical present in Temik is

- (a) Malathion
- (b) Propoxur
- (c) Carbofuran
- (d) Aldicarb

26. The chemical present in Flit is

- (a) Malathion
- (b) DDT
- (c) BHC
- (d) Aldicarb

27. The mode of action of insecticides is through the attack on

- (a) Respiratory system
- (b) Nervous system
- (c) Muscular system
- (d) Both A and B

28. One of the earliest pesticides employed by human was

- (a) Nicotine
- (b) Margosa (Neem) leaves
- (c) Pyrethrum
- (d) DDT

29. The common mode of action of herbicides is

- (a) Blocking of xylem system (b) Blocking of Phloem channels (c) Blocking of Photosystem II  
(d) Blocking of Photosystem I

30. Which is organochlorine?

- (a) Malathion (b) Parathion (c) Aldicarb  
(d) DDT

31. Which one is an Organophosphate?

- (a) BHC (b) Aldrin (c) Fenitrothion (d) Endosulphur

32. A Carbamate Pesticide is

- (a) Propoxur (b) Simazine (c) Atrazine  
(d) Tetraethyl Pyrophosphate.

33. Carbamates used as fungicides are

- (a) Thiocarbamates (b) Dithiocarbamates  
(c) Carbofuran (d) Carbofuran and Aldicarb.

34. Pesticide ingredient methyl isocyanate which killed thousands in Bhopal gas tragedy is intermediate of

- (a) Mustard gas (b) Nitrous acid (c) Carbonyl  
(d) Carbon tetrachloride.

35. DDT is

- (a) Carbamate (b) organophosphate  
(c) Organochlorine (d) Triazine.



36. BHC is

- (a) Benzene hexachloride
- (b) Benzene heptachloride
- (c) Organochlorines and Carbamates
- (d) Benzene hydrochloride

37. Herbicides prevent

- (a) Transpiration (b) Water absorption
- (c) Translocation of salts
- (d) Photolysis of water

38. Most effective pesticides are

- (a) Carbamates (b) Organochlorines
- (c) Organophosphates (d) All the above

39. Which one is not matched?

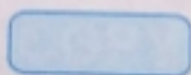
- (a) Organochlorine - DDT
- (b) Pyrethroid - Atrazine
- (c) Organophosphate - Malathion
- (d) Carbamate - Carbofuran

40. Which is major component of Bordeaux mixture?

- (a) Copper Sulphate (b) Sodium chloride
- (c) Calcium chloride (d) Magnesium Sulphate

41. DDT and 2,4-D were introduced

- (a) Towards end of World War-II
- (b) During World War I



- (c) Towards beginning of World War II  
(d) None of these

42. Bordeaux Mixture is named after  
(a) Scientist (b) Chemical Composition  
(c) Country (d) University

43. Ratio of  $\text{CuSO}_4$ ,  $\text{Ca(OH)}_2$  and water in?  
Bordeaux mixture is

- (a) 4:4:40 (b) 4:4:50 (c) 5:5:40 (d) 5:5:50

44. Broad spectrum insecticide is

- (a) DDT (b) Pyrethroids (c) Bordeaux mixture  
(d) Aldrin

45. Which of the following when dissolved in water  
make(s) Bordeaux mixture?

- (a) Copper Sulphate (b) Calcium hydroxide  
(c) Magnesium sulphate (d) Both a and b.

46. Mosquito-repelling coils contain

- (a) Aluminium Phosphide (b) Arsenic  
(c) Pyrethrin (d) Diethyl bromide.

47. Mode of action of following pesticides is  
similar



- (a) Organochlorides and Organophosphates
- (b) Organochlorines and Carbamates
- (c) Organophosphates and Carbamates
- (d) DDT and Parathion

47. Among Pesticides Zinc phosphide is used for

- (a) Spraying
- (b) Fumigation
- (c) Killing Weevils
- (d) Rodents.

48. Major drawback of DDT as a Pesticide is that

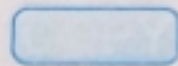
- (a) Organisms at once develop resistance to it.
- (b) It is significantly less effective than other Pesticides
- (c) Its cost of production is high
- (d) It is not easily and rapidly degraded in nature.

49. Which one of the following Pesticide is banned now a days

- (a) Aldrin
- (b) Endrin
- (c) DDT
- (d) Toxaphene



50. BHC and DDT belong to which class of pesticides.
- (a) Organophosphates (b) Organochlorines  
(c) Carbonates (d) Triazines
51. Bordeaux mixture is used as a
- (a) Fertilizer (b) Fungicide (c) Rodenticide  
(d) A chemical used in soil testing.
52. Organophosphate insecticides inhibit
- (a) cholinesterases (b) Carbohydrates (c) Urease  
(d) Enterokinase.
53. Which are the two active ingredients in 'Flit'
- (a) Malathion and Pyrethrin  
(b) Carbofuran and Propoxur  
(c) Malathion and Carbofuran  
(d) Pyrethrin and Propoxur
54. Which of the following is not an organochlorine
- (a) Endosulphan (b) Malathion (c) DDT (d) Aldrin
55. Herbicide Carbamates are
- (a) Dithiocarbamates (b) Thiocarbamates  
(c) Phenyl Carbamates (d) Both b and c







56. Pesticides with very low biodegradation but strong affinity for fatty tissues are

- (a) Triazines (b) Pyrethroids  
(c) Organochlorines (d) Organophosphates

57. Which Pesticides are lipophilic

- (a) organochlorines (b) organophosphate  
(c) Triazines (d) Pyrethroids

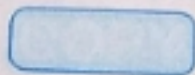
58. 2,4-D is an effective

- (a) Insecticide (b) Herbicide  
(c) Fungicide (d) Rodenticide

59. Drinking of mineral water with very low level of Pesticides (0.02 ppm) for long periods may

- (a) Produce immunity against mosquito  
(b) Cause leukemia in most people  
(c) Cause cancer of the intestine  
(d) Lead to accumulation of pesticide residues in body fat.

60. The chemical used in National Malaria Eradication Programme is





(e) 2,4-D, (b) BHC, (c) DDT, (d) Pyrethroid.

Ans. of MCQ

1. (c), 2. (b), 3. (d), 4. (b), 5. (b), 6. (b), 7. (d), 8. (a), 9. (c),  
10. (b), 11. (c), 12. (c), 13. (a), 14. (a), 15. (c), 16. (c), 17. (b),  
18. (b), 19. (a), 20. (c), 21. (c), 22. (a), 23. (d), 24. (c),  
25. (d), 26. (a), 27. (d), 28. (b), 29. (c), 30. (d), 31. (c),  
32. (a), 33. (b), 34. (c), 35. (c), 36. (a), 37. (d),  
38. (c), 39. (b), 40. (a), 41. (a), 42. (d), 43. (b), 44. (a),  
45. (d), 46. (c), 47. (c), 48. (c), 49. (c), 50. (b), 51. (b),  
52. (a), 53. (a), 54. (b), 55. (d), 56. (c), 57. (a), 58. (b),  
59. (d), 60. (c).