

ST.JOSEPH'S COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

CUDDALORE – 607 001

ENVIRONMENTAL TOXICOLOGY AND HERBAL MEDICINE

SUBJECT CODE : EBC509B

QUESTION BANK

I ANSWER IN ONE SENTENCE (1MARK)

1. Define toxicity
2. What are toxicants?
3. Define acute toxicity
4. What are degradable toxicants?
5. Define adverse effects
6. Write any one of the example of pesticide.
7. Define drug toxicity
8. Give an example of chemical toxicants
9. Define toxicology
10. Write any one of the example of non degradable toxicants.
11. Define memory stimulants.
12. What is PCB?
13. Write the importance of azardica indica.
14. Define heavy metals.
15. What is Bioaccumulation?
16. Define Biomagnifications.
17. Define Biotransformation
18. What is ingestion?
19. What is Assay?
20. What is Bioassay
21. Write the principles of bioassay

22. What is invivo method in bioassay
23. What is invitro method in bioassay
24. Write the drawbacks of bioassay
25. Name the two types of bioassay
26. What is multiple point assays?
27. Define microbial bioassay
28. Define toxicity assay
29. Define genotoxicity assay
30. What are the parameters measured by microbial toxicity
31. What is LC_{50} ?
32. What is LD_{50} ?
33. Define hepatotoxicity
34. Define nephrotoxicity
35. Define neurotoxicity
36. Define cholestatic injury
37. What is necrosis?
38. What is hepatitis?
39. What is apoptosis?
40. Define fatty liver
41. Define herbs
42. What are active constituents?
43. Name some herbs used for common ailments
44. Define flavonoids
45. Define alkanoids
46. Define tannins
47. Define saponins
48. Define glycosides
49. Define herbal drug formulations
50. What is herbal preparations
51. What are markers in herbal preparation
52. Define aminoglycosides

53. What is interstitial nephritis
54. What is acute tubular necrosis
55. What is acute glomerulonephritis
56. Define crystal nephropathy
57. What is nephrotic syndrome
58. Name some drugs which induce toxins to kidney
59. Name some metals which induce toxins to nephrons and give a brief notes about that metals.
60. What are glial cells?
61. Expand the term BBB
62. Define demyelination
63. What is Axonopathy
64. What is Neuronopathy

II ANSWER THE FOLLOWING (5 MARKS)

1. Give a brief note on scope of toxicology
2. Write a short note on receptor mediated events
3. Explain the types of toxicants.
4. Differences between acute and chronic toxicity
5. Write a short on anti- inflammatory drugs.
6. Write a short note on Bioaccumulation.
7. Explain the sources of environmental toxicity.
8. Give a brief note on routs of exposure to toxins.
9. Explain in detail about LD50 and LC50 with suitable example.
10. Give the characteristics and importance of bioassay.
11. Give the examples of hepatotoxicants with its metabolism.
12. Briefly discuss about drug induced liver disease.

13. Explain the dosage and formulation of herbs.
14. Give an account on characterization of herbs based on plant properties.
15. Explain how active constituents are identified and write some notes on it.
16. Explain the physical, chemical and biological characterization of herbal preparation.
17. Mention the stability of herbal preparation.
18. Name some metals which induce toxicants to neurons and write a brief note on it.
19. Name some herbal remedies for allergies, acne, anxiety and burns giving a brief a note on it
20. Name some herbal remedies for diarrhea, ear infection, insect bites and Migrane giving a brief note on it.
21. Give an account on plant active constituents.
22. What are herbs, how it is identified and give a brief discuss about the chemical analysis involved.

III ANSWER THE FOLLOWING (10 Marks)

1. Give a detailed note on degradable and nondegradable toxicants
2. Explain the factors that influencing toxicity
3. Write a note on mechanism of toxicity
4. Give an account on urinogenital disorder and its medications
5. Explain the role pappya leaf in treatment of dengue fever.
6. Give a detailed note anti cancer drugs.
7. Give a detailed note on Biotransformation.
8. Write a note on Bioassay with importance.
9. What is bioassay, explain its types and characteristics
10. Explain in detail about microbial bioassay for toxicity studies.
11. Explain hepatotoxicity and its impact on liver
12. Explain nephrotoxicity and its impact on kidney
13. Explain neurotoxicity and its impact on brain

14. Explain in detail about the preparation of herbal medicine
15. What is herbs, describe its characteristic and active constituents present in it.
16. Explain in detail about herbal drug evaluation