



INDIAN SCHOOL AL WADI AL KABIR

Class: XII	Department: SCIENCE 2020 – 2021 SUBJECT : CHEMISTRY	Date of submission: 16.04.2020
Worksheet No: 02	TOPIC : CHEMISTRY IN EVERYDAY LIFE	Note: A4 FILE FORMAT
NAME OF THE STUDENT	CLASS & SEC:	ROLL NO.

MULTIPLE CHOICE QUESTIONS

- Polyethylene Glycols are used in the preparation of which type of detergents?
 - Cationic detergents
 - Anionic detergents
 - Non-ionic detergents
 - Soaps
- Which of the following is not a target molecule for drug function in body?
 - Carbohydrates
 - Lipids
 - Vitamins
 - Proteins
- Glycerol is added to soap. It functions _____.
 - as a filler.
 - to increase leathering.
 - to prevent rapid drying.
 - to make soap granules.
- A narrow spectrum antibiotic is active against _____.
 - gram positive or gram negative bacteria.
 - gram negative bacteria only.
 - single organism or one disease.
 - both gram positive and gram negative bacteria.
- Salvarsan is arsenic containing drug which was first used for the treatment of _____.
 - syphilis
 - typhoid
 - meningitis
 - dysentery
- Which statement about aspirin is not true?
 - Aspirin belongs to narcotic analgesics.
 - It is effective in relieving pain.
 - It has anti blood clotting action.
 - It is a neurologically active drug.
- Which of the following is an analgesic?
 - Chloramphenicol
 - Penicillin
 - Paracetamol
 - Streptomycin

8. Antipyretics are medicinal compounds which
- lower body temperature
 - relieve pain
 - control malaria
 - can kill other organisms
9. The most useful classification of drugs for medicinal chemists is _____.
- on the basis of chemical structure.
 - on the basis of drug action.
 - on the basis of molecular targets.
 - on the basis of pharmacological effect.
10. Barbituric acid is
- an antipyretic
 - an antiseptic
 - a tranquilizer
 - antibiotic
11. Which of the following is a hypnotic drug?
- Luminal
 - Salol
 - Catechol
 - Phenol
12. Among the following sweeteners, which one has the lowest sweetness?
- Alitame
 - Aspartame
 - Saccharin
 - Sucrolose
13. Which one of the following is a morning after pill?
- Norethindrone
 - Mifepristone
 - Bithional
 - Ethynylestradiol
14. Detergents are known to pollute rivers. However detergents can be made biodegradable and pollution free by taking
- cyclic hydrocarbon chain
 - shorter hydrocarbon chain
 - unbranched hydrocarbon chain
 - hydrocarbon with more branching
15. The compound Acetyl salicylic acid is used as/a
- Antiseptic
 - Antibiotic
 - Analgesic
 - Pesticide
16. An example of antioxidant is
- Butylated hydroxyanisole
 - Aspirin
 - Penicillin
 - Chloramphenicol

Assertion Reason Type

- Both *Assertion* and *Reason* are correct statements, and *Reason* is the correct explanation of the *Assertion*.
 - Both *Assertion* and *Reason* are correct statements, but *Reason* is not the correct explanation of the *Assertion*.
 - Assertion* is correct but *Reason* is wrong statement.
 - Assertion* is wrong but *Reason* is correct statement.
17. *Assertion* : All chemicals added to food items are called food preservatives.
Reason : All these chemicals increase the nutritive value of the food.
18. *Assertion* : Penicillin (G) is an antihistamine
Reason : Penicillin (G) is effective against gram positive as well as gram negative bacteria.

19. *Assertion* : Receptors are crucial to body's communication process.

Reason : Receptors are proteins.

20. *Assertion* : Competitive inhibitors compete with natural substrate for their attachment on the active sites of enzymes.

Reason : In competitive inhibition, inhibitor binds to the allosteric site of the enzyme.

Question – Answer Type :

21. How are antiseptics different from analgesics? Give an example of each.

22. What are the main constituents of Dettol?

23. Is phenol an antiseptic or a disinfectant? Comment.

24. What are antibiotics? List two major classes of antibiotics with an example of each class.

25. Low level of noradrenaline is the cause of depression. What type of drug is needed to cure this problem? Name two such drugs.

26. Name one medicinal compound that is used to treat

i. Hypertension

ii. General body pain

iii. Prevent heart attack

27. Differentiate between soaps and synthetic detergents.

28. Write a note on different types of soaps.

29. Explain the following using suitable example.

i. Cationic detergents

ii. Anionic detergents

iii. Non ionic detergents

30. What are the three types of antimicrobials? Explain.

31. What is meant by saponification? Explain the cleaning action of soap.

32. What are barbiturates?

33. What are drugs? How are they classified?

34. What are competitive and noncompetitive inhibitors? Explain their action on enzymes.

35. Why do antihistamines like Dimetane, Seldane not affect the secretion of acid in the stomach?

36. Describe the following example with one suitable example

a. Non ionic detergents

b. Food preservatives

c. Disinfectants

37. i. What are analgesics?
ii. How are they classified?
iii. When are they commonly recommended?
38. State the reason in each of the following cases.
i. Soaps do not work well in hard water.
ii. Synthetic detergents are better than soaps.
39. What is meant by broad spectrum antibiotic?
40. Explain the following terms giving an example.
i. Antacids ii. Sweetening agents
41. What are antiseptics? Give one example
42. What are food preservatives? Name two food preservatives.
43. Differentiate between disinfectants and antiseptics.
44. i. What class of drugs is ranitidine?
ii. If water contains dissolved Ca^{2+} ions, out of soap and synthetic detergent, which will you use for cleaning clothes?
iii. Which of the following is an antiseptic 0.2% phenol or 1% phenol?
45. i. Define antihistamine with an example/
ii. Which one of the following is an antibiotic?
Morphine , Equanil , Chloramphenicol , Aspirin
iii. Why is the use of aspartame limited to cold foods and drinks?
46. a. Why is it not advisable to take sleeping pills without consulting doctor?
b. What are tranquilizers? Give two examples.
47. Differentiate on the basis of chemical composition between cationic and anionic detergents. Also give one example of each category.

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