

INDIAN SCHOOL MUSCAT
CHEMISTRY DEPARTMENT
QUESTION BANK
Chemistry in Everyday Life

VSA QUESTIONS (1 - MARK QUESTIONS)

1. What are drugs?
2. Define tranquilizers with an example.
3. What are antimalarial drugs? Give examples.
4. Why aspirin should not be taken in empty stomach?
5. Name a broad spectrum antibiotic and state two diseases for which it is prescribed.
6. Give one important use of:
 - a. Equanil
 - b. Morphine
7. What are barbiturates?
8. What is chemical composition of cationic detergents?
9. What is the role of Bithional in toilet soaps?
10. Why the receptors embedded in cell membrane show selectivity for one chemical messenger over the other?

SA (I) QUESTIONS (2 - MARK QUESTIONS)

11. How do enzyme inhibitors work? Distinguish between competitive and non-competitive enzyme inhibitors.
12. Identify the class of drug :
 - (i) Phenelzine (Nardin)
 - (ii) Aspirin

(iii) Cimetidine

13. While antacids and antiallergic drugs interfere with the function of histamines, why do these not interfere with the function of each other
14. i. What are artificial sweetening agents? Give two examples.
ii. Name the sweetening agent used in the preparation of sweets for a diabetic patient.
15. State the reason in each of the following cases.
i. Soap do not work well in hard water
ii. Synthetic detergents are better than soaps.
16. What are biodegradable and non-biodegradable detergents? Give one example of each.

SA (II) TYPE QUESTIONS (3 - MARK QUESTIONS)

17. i. What do you mean by non-ionic detergents?
ii. Give two examples of macromolecules that are chosen as drug targets.
iii. Why is use of aspartame limited to cold foods and soft drinks?
18. i. Between Sodium hydrogen carbonates and magnesium hydroxide, which is a better antacid and why?
ii. Why are certain drugs called enzyme inhibitors?
19. Explain the following types of substances with one suitable example, for each case
i. Cationic detergents
ii. Food preservatives
iii. Analgesics
20. i. Define the term Chemotherapy.
ii. How do antiseptics differ from disinfectants?

iii. Name a substance which can be used as antiseptic and disinfectant