

Assignment

Chapter 16: Chemistry in Everyday Life

- 1 Define the following and give one example of each -
(a) Artificial sweetening agents (b) Food preservatives
- 2 What type of medicines are omeprazole and lansoprazole?
- 3 Give an example of drug used in case of mental depression.
- 4 For which disease chloramphenicol is used?
- 5 Name the sweetening agent used in preparation of a sweet for a diabetic patient.
- 6 Name a broad spectrum antibiotic and diseases for which it is prescribed.
- 7 How are antiseptics distinguished from disinfectants? Give 2 examples of each.
- 8 Name a substance that can be used as an antiseptic as well as disinfectant.
- 9 Name the action of the following on the human body:
(i) Equanil (ii) Morphine (iii) Norethindrone (iv) Aspirin (v) Penicillin
(vi) Luminal (vii) Seconal
- 10 What are the essential components of dettol?
- 11 What are detergents? Give their scheme of classification. Why are detergents preferred over soaps?
- 12 Why is ethanol added to soaps?
- 13 What are biodegradable and non-biodegradable detergents? What are the consequences of using the latter kind? Give one example of each kind.
- 14 Why is use of aspartame limited to cold foods?
- 15 Why soaps do not act on hard water?
- 16 Explain the term 'chemotherapy'.
- 17 Describe the function of the following with one example for each :
a. Tranquilizers b. Antifertility drugs c. Antihistamines
d. Analgesics e. Antioxidants f. Antacids
- 18 What problem arises in using alitame as artificial sweeteners?

- 19 Explain the cleansing action of soaps.
- 20 Account for the following:
- Aspirin drug helps in the prevention of heart attack.
 - Diabetic patients are advised to take artificial sweetener instead of natural sweeteners.
 - Detergents are non-biodegradable while soaps are biodegradable.
- 21 Except for vitamin B₁₂, all other vitamins of group B, should be supplied regularly in diet. Why?
- 22 In order to wash clothes with water containing dissolved calcium hydrogen carbonate which cleaning agent will you prefer and why, soaps or synthetic detergents? Give one advantage of soap over detergents
- 23.
- Which one of the following is a food preservative?
Equanil, Morphine, Sodium benzoate
 - Why is bithional added to soap?
 - Which class of drugs is used in sleeping pills?

