



INDIAN SCHOOL DARSAIT
DEPARTMENT OF CHEMISTRY



Subject: Chemistry Topic : Chemistry in Everyday life Date of Worksheet: 25.10.2017	
Resource Person: SREEKALA M Date of Submission: _____	
Name of the Student: _____ Class & Division: XII ----- Roll Number: _____	
1.	Name a broad spectrum antibiotic and state two diseases for which it is prescribed. 1
2.	What is tincture of iodine? 1
3.	Write the name of an antacid which is often used as a medicine 1
4.	Why is bithional added to soap? 1
5.	Give one example of an artificial sweetener used by the diabetic patients. 1
6.	How do antiseptics differ from disinfectants? Name a substance that can be used as an antiseptic as well as a disinfectant. 2
7.	Describe the following types of substances giving one example of each i) Cationic detergents iii) Non-ionic detergents ii) Ionic detergents 2
8.	a) Why are certain drugs called as enzyme inhibitors? b) What are competitive inhibitors? c) What are agonists and antagonists? 2
9.	State reasons for the following occurrences i) Soaps do not do the cleansing in hard water. ii) Synthetic detergents are preferred to soaps in washing machines. 2
10.	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 soaps over synthetic detergents. 2
11.	Differentiate between the following giving examples. a) Narcotic and Non-narcotic analgesic. b) Broad spectrum antibiotics and Narrow spectrum antibiotics 2

12.	What are antihistamines? Give two examples. Explain how they act on human body?	2
13.	What is the problem with hard water for washing clothes with soap?	2
14.	a)What are detergents? Classify synthetic detergents giving an example in each case. b)Why are detergents usually preferred to soaps for washing clothes? Give an example of detergents.	2
15.	What are antioxidants? Name one antioxidant commonly used to increase the storage life of butter.	2
16.	Name one substance which can act as both a)Analgesic and antipyretic. . b)Antiseptic and disinfectant.	2
17.	Pick out the odd one amongst the following on the basis of their medicinal properties. i) Luminal, Seconal, phenacetin, equanil ii) Chloroxylenol, Phenol, chloramphenicol, bithional	
18.	Account for the following: a)Aspirin drug help in the prevention of heart attack. b)Diabetic patients are advised to take artificial sweeteners instead of natural sweeteners. c) Branching of hydrocarbon chain of synthetic detergents affect their biodegradability.	3
19.	Mr. Naresh works in a multi-national company. He is stresses due to his hectic schedule. Mr. Amit, his friend, comes to know that he has started taking sleeping pills without consulting the doctor. Mr. Amit requests Naresh to stop this practice and takes him to a yoga centre. With regular yoga sessions, Mr. Naresh is now happy and relaxed man. After reading the above passage, answer the following questions: i) Write the values shown by Mr. Amit. ii) Which class of drugs is used in sleeping pills? iii) Why is it not advisable to take sleeping pills without consultation with the doctor?	3