

[FlexiPrep: Downloaded from flexiprep.com \[https://www.flexiprep.com/\]](https://www.flexiprep.com/)

For solved question bank visit [doorsteptutor.com \[https://www.doorsteptutor.com/\]](https://www.doorsteptutor.com/) and for free video lectures visit [Examrace YouTube Channel \[https://youtube.com/c/Examrace/\]](https://youtube.com/c/Examrace/)

JEE (Based on NTA Guidelines-IIT Engg.) Mains Chemistry Coaching Programs

 Video Course 2024 (0 Lectures [0 Mins]): Offline Support

[Click Here to View & Get Complete Material \[https://www.doorsteptutor.com/Exams/JEE/Mains/Chemistry/Lectures/\]](https://www.doorsteptutor.com/Exams/JEE/Mains/Chemistry/Lectures/)

Rs. 100.00

1 Month Validity (Multiple Devices)

 Online Tests (1 Tests [30 Questions Each]): NTA Pattern, Analytics & Explanations

[Click Here to View & Get Complete Material \[https://www.doorsteptutor.com/Exams/JEE/Mains/Chemistry/Online-Test-Series/\]](https://www.doorsteptutor.com/Exams/JEE/Mains/Chemistry/Online-Test-Series/)

Rs. 100.00

3 Year Validity (Multiple Devices)

 Study Material (159 Notes): 2024-2025 Syllabus

[Click Here to View & Get Complete Material \[https://www.doorsteptutor.com/Exams/JEE/Mains/Chemistry/Study-Material/\]](https://www.doorsteptutor.com/Exams/JEE/Mains/Chemistry/Study-Material/)

Rs. 350.00

3 Year Validity (Multiple Devices)

 w
E

[C
M
E
R](#)

Chemistry Class 12 NCERT Solutions: Chapter 16 Chemistry in Everyday Life Part 4

Text Solution

Q: 1. Sleeping pills are recommended by doctors to the patients suffering from sleeplessness but it is not advisable to take its doses without consultation with the doctor, Why?

Answer:

Most drugs when taken in doses higher than recommended may cause harmful effects and sometimes, may even lead to death. Hence, a doctor should always be consulted before taking any medicine.

Q: 2. With reference to which classification has the statement, ranitidine is an antacid been given?

Answer:

The given statement refers to the classification of pharmacological effects of the drug. This is because any drug that is used to counteract the effects of excess acid in the stomach is called an antacid.

Q: 3. Why do we require artificial sweetening agents?

Answer:

A large number of people are suffering from diseases such as diabetes and obesity. These people cannot take normal sugar i.e., sucrose as it is harmful for them. Therefore, artificial sweetening agents that do not add to the calorie intake of a person are required. Saccharin, aspartame, and alitame are a few examples of artificial sweeteners.

Q: 4. Write the chemical equation for preparing sodium soap from glyceryl oleate and glyceryl palmitate. Structural formulae of these compounds are given below.

(i) $(C_{15}H_{31}COO)_3C_3H_5$ – Glyceryl palmitate

(ii) $(C_{17}H_{33}COO)_3C_3H_5$ – Glyceryl oleate

Answer:

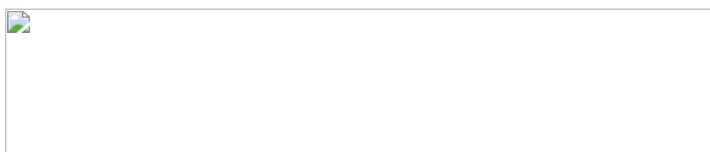
(i)



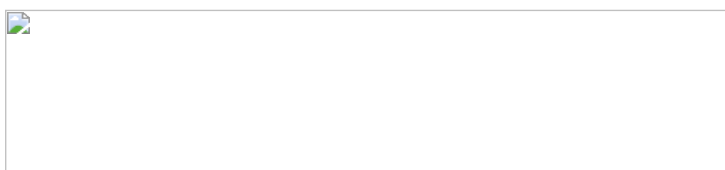
(ii)



Q: 5. Following type of non-ionic detergents are present in liquid detergents, emulsifying agents and wetting agents. Label the hydrophilic and hydrophobic parts in the molecule. Identify the functional group (s) present in the molecule.



Answer:



Functional groups present in the molecule are:

- (i) Ether, and
- (ii) Primary alcoholic group