



# CBSE 12th Chemistry

## Chapter- 16 (Chemistry in Everyday Life)

### Solved Important Questions

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#### SECTION A

*(Each question in this section carry 1 mark)*

**Q.1. Differentiate between disinfectants and antiseptics.**

**Q.2. What are the products of hydrolysis of sucrose?**

#### SECTION B

*(Each question in this section carry 2 marks)*

**Q.3. What are biodegradable and non-biodegradable detergents? Give one example of each class.**

**Q.4. While antacids and antiallergic drugs interface with the function of histamines but why do there not interface with the function of each other?**

**Q.5. What are food preservatives? Name two such substances.**

## SECTION C

*(Each question in this section carry 3 marks)*

- Q.6.** Mr. Roy, the principal of one reputed school organized a seminar in which he invited parents and principals to discuss the serious issue of diabetes and depression in students. They all resolved this issue by strictly banning the junk food in schools and to introduce healthy snacks and drinks like soup, lassi, milk etc. in school canteens. They also decided to make compulsory half an hour physical activities for the students in the morning assembly daily. After six months, Mr. Roy conducted the health survey in most of the schools and discovered a tremendous improvement in the health of students. After reading the above passage, answer the following:
- (i) What are the values (at least two) displayed by Mr. Roy?
  - (ii) As a student, how can you spread awareness about this issue?
  - (iii) What are tranquilizers? Give an example.
  - (iv) Why is use of aspartame limited to cold foods and drinks?
- Q.7.** Explain the following types of substances with one suitable example, For each case:
- (i) cationic detergents.
  - (ii) Food preservatives.
  - (iii) Analgesics.
- Q.8.** What are analgesic medicines? How are they classified and when are they commonly recommended for use?
- Q.9.** Describe the following giving one example for each:
- (i) Detergents
  - (ii) Food preservatives
  - (iii) Antacids
- Q.10.** What are the following substances? Give on example of each one of them.
- (i) Tranquilizers
  - (ii) Food preservatives
  - (iii) Synthetics detergents





**Q.19. On the occasion of World Health Day, Dr. Satpal organized a 'health camp' for the poor farmers living in a nearby village. After check-up, he was shocked to see that most of the farmers suffered from cancer due to regular exposure to pesticides and many were diabetic. They distributed free medicines to them. Dr. Satpal immediately reported the matter to the National Human Rights Commission (NHRC). On the suggestions of NHRC, the government decided to provide medical care, financial assistance, setting up of super- specialty hospitals for treatment and prevention of the deadly disease in the affected villages all over India.**

**(i) Write the values shown by**

- (a) Dr. Satpal**
- (b) NHRC.**

- (ii) What type of analgesics are chiefly used for the relief of pains of terminal cancer?**
- (iii) Give an example of artificial sweetener that could have been recommended to diabetic patients.**

**Q.20. Due to hectic and busy schedule, Mr. Singh started taking junk food in the lunch break. and slowly became habitual of eating food irregularly to excel in his field. One day during meeting he felt severe chest pain and fell down. Mr. Khanna, a close friend of Mr. Singh took him to doctor immediately. The doctor diagnosed that Mr. Singh was suffering from acidity and prescribed some medicines. Mr. Khanna advised him to eat homemade food and change his lifestyle by doing yoga, meditation and some physical exercise. Mr. Singh followed his friend's advice and after few days he started feeling better.**

**After reading this above passage, answer the following:**

- (i) What are the values (at least two) displayed by Mr. Khanna?**
- (ii) What are antacids? Give one example.**
- (iii) Would it be advisable to take antacids for a long period of time? Give reason.**

**Q.21. Due to hectic and busy schedule, Mr. Singh started taking junk food in the lunch break. And slowly became habitual of eating food irregularly to excel in his field. One day during meeting he felt severe chest pain and fell down. Mr. Khanna, a close friend of Mr. Singh took him to doctor immediately. The doctor diagnosed that Mr. Singh was suffering from acidity and prescribed some medicines. Mr. Khanna advised him to eat homemade food and change his lifestyle by doing yoga, meditation and some physical exercise. Mr. Singh followed his friend's advice and after few days he started feeling better.**

**After reading this above passage, answer the following:**

- (i) What are the values (at least two) displayed by Mr. Khanna?**
- (ii) What are antacids? Give one example.**
- (iii) Would it be advisable to take antacids for a long period of time? Give reason.**



Q.22. Define the following:

- (a) Anionic detergents
- (b) Limited spectrum antibiotics
- (c) Antiseptics

## SECTION D

*(Each question in this section carry 4 marks)*

Q.23. Mr. Roy, the principal of one reputed school organized a seminar in which he invited parents and principals to discuss the serious issue of diabetes and depression in students. They all resolved this issue by strictly banning the junk food in schools and to introduce healthy snacks and drinks like soup, lassi, milk etc. in school canteens. They also decided to make compulsory half an hour physical activities for the students in the morning assembly daily. After six months, Mr. Roy conducted the health survey in most of the schools and discovered a tremendous improvement in the health of students. After reading the above passage, answer the following:

- (i) What are the values (at least two) displayed by Mr. Roy?
- (ii) As a student, how can you spread awareness about this issue?
- (iii) What are tranquilizers? Give an example.
- (iv) Why is use of aspartame limited to cold foods and drinks? 4 marks

Q.24. Seeing the growing cases of diabetes and depression among young children, Mr. Chopra, the principal of one reputed school organized a seminar in which he invited parents and principals. They all resolved this issue by strictly banning junk food in schools and introducing healthy snacks and drinks like soup, lassi, milk, etc. in school canteens. They also decided to make compulsory half an hour of daily physical activities for the students in the morning assembly. After six months, Mr. Chopra conducted the health survey in most of the schools and discovered a tremendous improvement in the health of the students.

After reading the above passage, answer the following questions:

- (i) What are the values (at least two) displayed by Mr. Chopra?
- (ii) As a student, how can you spread awareness about this issue?
- (iii) Why should antidepressant drugs not be taken without consulting a doctor?
- (iv) Give two examples of artificial sweeteners.

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