

CLASS-VIII

SCIENCE

CHAPTER-2

Multiple Choice Questions (MCQs)

★ Question 1.

★ Tiny organisms which cannot be seen with the naked eyes are called

- ★ (a) microorganisms
- ★ (b) animals
- ★ (c) fungi
- ★ (d) bacteria

★ Question 2.

★ Microorganisms are also known as

- ★ (a) yeast
- ★ (b) microbes
- ★ (c) viruses
- ★ (d) Amoeba

★ Question 3.

★ Fungus can be seen with a

- ★ (a) microscope
- ★ (b) telescope
- ★ (c) magnifying glass
- ★ (d) both (a) and (c)

★ Question 4.

★ Microorganisms that causes disease are also kn

- ★ (a) pathogens
- ★ (b) fungi
- ★ (c) antigen
- ★ (d) microbes

★ Question 5.

★ Pathogens are also called

- ★ (a) germs
- ★ (b) antigen
- ★ (c) antibody
- ★ (d) carrier

★ Question 6.

★ Bacteria are organisms.

- ★ (a) multicellular
- ★ (b) unicellular
- ★ (c) bicellular
- ★ (d) tricellular

★ Question 7.

★ Bacilli are the bacteria that are

- ★ (a) rod-shaped
- ★ (b) comma-shaped
- ★ (c) curved-shaped
- ★ (d) spiral

★ **Question 8.**

★ **Spherical-shaped bacteria are called**

- ★ (a) bacilli
- ★ (b) vibrio
- ★ (c) spirilla
- ★ (d) cocci

★ **Question 9.**

★ **Simple, plant-like microorganisms are called**

- ★ (a) algae
- ★ (b) bacteria
- ★ (c) both (a) and (b)
- ★ (d) protozoa

★ **Question 10.**

★ **Medium that transmits pathogens from an infected person to a healthy one is called**

- ★ (a) fungi
- ★ (b) germs
- ★ (c) carrier
- ★ (d) none of these

★ **Question 11.**

★ **Medicine that kills or stops the growth of harmful disease-causing microbes is known as**

- ★ (a) antibiotic
- ★ (b) antibody
- ★ (c) antigen
- ★ (d) vaccine

★ **Question 12.**

★ **The process in which sugar in the food is transformed into alcohol and carbon dioxide by using microorganisms is known as**

- ★ (a) transformation
- ★ (b) beverage
- ★ (c) fermentation
- ★ (d) respiration

★ **Question 13.**

★ **The fungus that is commonly used in bakery and beverage industries is**

- ★ (a) Penicillium
- ★ (b) Yeast
- ★ (c) Agaricus
- ★ (d) Rhizopus



★ Question 14.

★ Giardia is listed under the category of

- ★ (a) fungi
- ★ (b) protozoa
- ★ (c) bacteria
- ★ (d) algae

★ Question 15.

★ Substance used to produce immunity against diseases in the living body is called

- ★ (a) immune
- ★ (b) vaccine
- ★ (c) antibody
- ★ (d) antigen

Very Short Answer Questions

★ Question 1.

★ Name the groups in which microorganisms are broadly classified.

★ Answer:

★ Microorganisms are broadly classified in four groups:

- ★ • bacteria
- ★ • fungi
- ★ • protozoa
- ★ • algae

★ Question 2.

★ Name the type of microorganism that is smaller than bacteria.

★ Answer:

★ Virus

★ Question 3.

★ Write the name of a bacterium that helps in the formation of curd.

★ Answer:

★ Lactobacillus

★ Question 4.

★ Write a use of yeast.

★ Answer:

★ Yeast is used in the production of alcohol, wine, beer and other beverages.

★ Question 5.

★ What does yeast produce during respiration?

★ Answer:

★ Yeast produces carbon dioxide gas during respiration.

★ Question 6.

★ What are pathogens? Write another name of pathogens.





★ Answer:

★ Disease-causing microorganisms are known as pathogens. They are also called germs.



★ Question 7.

★ Define food preservation.

★ Answer:

★ Food preservation is the method of preserving food from being spoiled by the microbes.



★ Question 8.

★ Write the names of any two antibiotics.

★ Answer:



- ★ • Streptomycin
- ★ • Erythromycin



★ Question 9.

★ Who discovered the vaccine for small pox?

★ Answer:

★ Edward Jenner



★ Question 10.

★ What is fermentation?

★ Answer:

★ Fermentation is the process of conversion of food into alcohol.



★ Question 11.

★ Define refrigeration.

★ Answer:

★ The storing of food products at the temperature of 0°C to 5°C is known as refrigeration.



★ Question 12.

★ What is vaccine?

★ Answer:

★ A substance which is used in the production of immunity against various diseases in the living body is termed as vaccine.



★ Question 13.

★ Name any two human diseases caused by viruses.

★ Answer:



- ★ • Measles
- ★ • Polio



★ Question 14.

★ Name any three common plant diseases.

★ Answer:

★ Rust of wheat, citrus canker and wilt





★ Question 15.

★ Name a microorganism which helps in nitrogen fixation.

★ Answer:

★ Rhizobium



★ Question 16.

★ Name a disease caused by food poisoning.

★ Answer:

★ Botulism



★ Question 17.

★ What is the difference between refrigeration and freezing?

★ Answer:

★ In refrigeration, the storing of the food is done at a temperature of 0°C to 5°C, whereas freezing is used to store food at -18°C of temperature.



★ Question 18.

★ What is decomposition?

★ Answer:

★ Decomposition is the process in which organic materials are broken down into simple inorganic sub-stances by the microorganisms.



★ Question 19.

★ Name the two microbes that are involved in the process of decomposition.

★ Answer:

★ Bacteria and fungi



★ Question 20.

★ Name the first antibiotic discovered.

★ Answer:

★ Penicillin



★ Question 21.

★ What are microorganisms? Give four examples.

★ Answer:

★ Small organisms that cannot be seen through the naked eyes and can only be seen under a microscope are called microorganisms or microbes; e.g., Amoeba, Paramecium, Volvox, Spirogyra, etc.



★ Question 22.

★ Classify bacteria on the basis of their shapes.

★ Answer:

★ On the basis of their shapes, bacteria are classified into four categories:



- ★ • rod-shaped bacteria (bacilli)
- ★ • spherical-shaped bacteria (cocci)
- ★ • curved-shaped bacteria (vibrios)
- ★ • spiral-shaped bacteria (spirilla)



