

Chapter – 8 | Microbes in human welfare**QUIZ
PART-02**

1. Large containers used for growing microorganisms on a commercial scale are called:

- A. Bioreactors B. Fermenters
C. Incubators D. Reactors (B)

Explanation : Fermenters are large containers used for the commercial cultivation of microorganisms.

2. Which microorganism is mainly used for producing alcoholic beverages?

- A. Lactobacillus
B. Aspergillus niger
C. Saccharomyces cerevisiae
D. Acetobacter aceti (C)

Explanation : Saccharomyces cerevisiae (brewer's yeast) is used for fermentation to produce alcoholic beverages.

3. Wine and beer are produced by:

- A. Fermentation without distillation
B. Distillation only
C. Chemical synthesis
D. Filtration process (A)

Explanation : Wine and beer are prepared through fermentation without distillation.

4. Penicillin was obtained from:

- A. Aspergillus niger
B. Penicillium notatum
C. Saccharomyces cerevisiae
D. Clostridium butylicum (B)

Explanation : Penicillin is produced by the mould Penicillium notatum.

5. The first antibiotic discovered was:

- A. Streptomycin B. Penicillin
C. Tetracycline D. Ampicillin (B)

Explanation : Penicillin was the first antibiotic discovered and became a major achievement in medical science.

6. Alexander Fleming discovered penicillin while working on:

- A. Yeast cells
B. Staphylococcus bacteria
C. Viruses
D. Protozoans (B)

Explanation : Fleming observed that mould growing on a plate prevented the growth of Staphylococcus bacteria.

7. Citric acid is produced commercially using:

- A. Aspergillus niger
B. Acetobacter aceti
C. Lactobacillus
D. Clostridium butylicum (A)

Explanation : Aspergillus niger, a fungus, is used for the production of citric acid.

8. Acetic acid is produced by:

- A. Penicillium notatum
B. Acetobacter aceti
C. Saccharomyces cerevisiae
D. Aspergillus niger (B)

Explanation : Acetobacter aceti is a bacterium used for commercial production of acetic acid.

9. Which enzyme is used in detergents to remove oil stains?

- A. Amylase B. Protease
C. Lipase D. Cellulase (C)

Explanation : Lipase breaks down oils and is used in detergent formulations for removing oil stains.

10. Butyric acid is produced by:

- A. Clostridium butylicum
B. Lactobacillus
C. Acetobacter aceti
D. Aspergillus niger (A)

Explanation : Clostridium butylicum is a bacterium used for the production of butyric acid.