

CONCEPT APPLICATION LEVEL - III

SECTION-A

• **MULTIPLE CHOICE QUESTIONS (WITH ONE CORRECT ANSWER):**

- Q.1 Alcohol is produced with the help of –
(A) sodium chloride (B) yeast (C) nitrogen (D) carbon dioxide
- Q.2 The status of algae in the aquatic food chain is –
(A) consumers (B) producers (C) host (D) small in size
- Q.3 The rod shaped bacteria are called –
(A) Bacillus (B) Coccus (C) Vibrio (D) Spirillum
- Q.4 Bacteria present in root nodules of pea –
(A) Coli (B) Plasmodium (C) Rhizobium (D) Penicillin
- Q.5 The disease caused by protozoa is –
(A) tuberculosis (B) polio (C) typhoid (D) malaria
- Q.6 Which cannot fix atmospheric nitrogen in the soil?
(A) Rhizobium (B) Clostridium (C) Azotobacter (D) Penicillin
- Q.7 The disease which is not caused by virus is –
(A) measles (B) chicken pox (C) polio (D) Tetanus
- Q.8 Which bacteria helps in setting of curd?
(A) Rhizobium (B) Lactobacillus (C) Vibrio cholerae (D) Bacillus
- Q.9 Which microorganism causes AIDS?
(A) A protozoa (B) A bacteria (C) A virus (D) An algae
- Q.10 Which of the following is not used as food preservatives?
(A) Salt (B) Sugar (C) Vinegar (D) Methane
- Q.11 The process by which amount of nitrogen remains the same in the atmosphere is known as –
(A) fermentation (B) carbon cycle (C) nitrogen cycle (D) photosynthesis

SECTION-B

• **ASSERTION & REASON :**

Direction: Each of these questions contains an Assertion followed by reason. Read them carefully and answer the question on the basis of following options. You have to select the one that best describes the two statements.

- (A) If both **Assertion** and **Reason** are correct and Reason is the **correct explanation** of Assertion.
(B) If both **Assertion** and **Reason** are correct and Reason is **not the correct explanation** of Assertion.
(C) If **Assertion** is **correct** but Reason is **incorrect**.
(D) If **Assertion** is **incorrect** but Reason is **correct**.

- Q.1 **Assertion :** Viruses can be seen with the help of electron microscope.
Reason : It is much smaller than bacteria.
- Q.2 **Assertion :** *Rhizobium* lives in the root nodules of leguminous plants.
Reason : It fixes nitrogen through a symbiotic relationship.
- Q.3 **Assertion :** Salt is added to chips and pickles.
Reason : Salting removes oxygen from the food item.

SECTION - C

- MATCH THE FOLLOWING (ONE TO ONE)**

Column-I and **column-II** contains **four** entries each. Entries of column-I are to be matched with some entries of column-II. Only One entries of column-I may have the matching with the some entries of column-II and one entry of column-II Only one matching with entries of column-I

- | Q.1 | Column I | Column II |
|-----|-------------------|------------------|
| | (A) Bacteriophage | (P) Protozoa |
| | (B) Spirogyra | (Q) Virus |
| | (C) Aspergillus | (R) Algae |
| | (D) Paramecium | (S) Fungi |

SECTION - D

- COMPREHENSION**

Most of the disease of human beings are caused due to contaminated food and water. These diseases spreads from person to person and are known as communicable diseases.

- Q.1 Name any two communicable diseases?
- Q.2 Give any two preventive measures for communicable diseases?
- Q.3 What are the two main causes of non communicable diseases?

SECTION - E

- MATCH THE FOLLOWING (ONE TO MANY)**

Column-I and **column-II** contains **four** entries each. Entries of column-I are to be matched with some entries of column-II. One or more than one entries of column-I may have the matching with the some entries of column-II and one entry of column-II may have one or more than one matching with entries of column-I

- | Q.1 | Column I | Column II |
|-----|--------------------------|-----------------------|
| | (A) Unicellular organism | (P) Nitrogen fixation |
| | (B) Rhizobium | (Q) Protozoan |
| | (C) Cyanobacteria | (R) Dysentery |
| | (D) Amoeba | (S) Bacteria |