

## Short Answer Questions

1. Fermented vegetables
2. Sauerkraut
3. Pickles
4. Idli
5. Cheese
6. Bulgarian Milk
7. Kefir

8. Yogurt
9. Mushroom
10. SCP
11. Probiotics
12. Prebiotics

### **Essay Type Questions**

1. What are fermented foods. Explain the benefits and their production with examples.
2. Describe types of microorganisms in milk and their significance.
3. Explain different types of microbial products of milk studied by you.
4. Write an essay on microorganisms as food.
5. Define SCP. Explain the advantages and types of microorganisms used for SCP production.
6. What are mushrooms? Explain the method of production.
7. Define probiotics. Explain how these are beneficial in improving human gut health.

### **Short Answer Questions**

1. Spoilage of dairy products
2. Spoilage of meat
3. Spoilage of canned foods
4. Microbial food poisoning
5. Food borne intoxication
6. Food borne illness
7. Salmonellosis
8. Shigellosis
9. Conventional methods of detection of food borne pathogens.
10. Quality control functions
11. Difference Tests

### **Essay Type Questions**

1. Write an essay on microbial spoilage of foods.
2. Explain in brief about microbial food poisoning
3. Define botulism. Write about the causative agent, symptoms and treatment of botulism.
4. Describe staphylococcal food poisoning.
5. Explain different types of toxins produced by fungi.
6. Write about different types of food preservation methods.
7. Explain the factors affecting food safety.
8. Write about the importance and functions of quality control.
9. Explain how quality assessment is carried out for foods.
10. Write an essay on detection of pathogens in foods.

### **Short Answer Questions**

1. Microorganisms in air
2. Significance of Microbes in air
3. Air borne pathogens
4. Bacteriological examination of domestic water
5. Typhoid
6. Hepatitis - A
7. TDS
8. MPN method
9. Membrane filtration
10. Indicator organisms
11. BOD
12. Eutrophication
13. Anaerobic sewage treatment
14. Trickling filters
15. Oxidation pond
16. Difference between aerobic and anaerobic sewage treatment.

### **Essay Type Questions**

1. What type of microorganisms are present in air and what is the significance.
2. Write about water pollution by microorganisms.
3. What are water borne pathogens and explain how they are transmitted from one person to another.
4. Explain how sanitary quality of water can be determined.
5. Write an essay on sewage treatment.
6. Write about water pollution due to degradation of organic matter.
7. Write about primary, secondary and tertiary stages of sewage treatment.

### **Short Answer Questions**

1. Physical properties of soil
2. Soil microorganisms
3. Rhizosphere
4. Phyllosphere
5. Mycorrhizae
6. Bioremediation
7. Carbon cycle
8. Nitrogen cycle
9. Different horizons of soil
10. Oil spills

### **Essay Type Questions**

1. Explain various methods of enumeration of microorganisms present in soil.
2. Write an essay on microorganisms present in soil.
3. What is Rhizosphere? Explain factors affecting microbial flora in Rhizosphere.
4. Define Mycorrhizae. Describe different types of mycorrhizae with examples.
5. What is Microbial Bioremediation? Explain its significance.
6. Write about the microbial degradation of organic pollutants.
7. Explain how pesticides can be degraded.
8. Write an essay on Nitrogen cycle.