



THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED

Q.1. Give short answers to the following questions.

- i. What do you understand the following terms: 14
PROPHAGE, HOMOTHALISM, NITROGENASE, HETEROTHALISM,
MYCOTOXINS, PATHOGEN, YEAST
- ii. Differentiate between BACTERIOPHAGES and BACTERIA. 4
- iii. Name any four ENZYMES used in food industrial processes. 2
- iv. What are the two types of MYCORRHIZAL ASSOCIATIONS? 2
- v. What do you understand by BIODETERIORATION of Food? 4
- vi. What is the main cause of ANTIBIOTIC RESISTANCE in human beings? 4

Q.2. Answer the following Questions.

(5x6=30)

1. Explain BACTERIAL REPLICATION in detail. Draw diagrams as well.
2. How MICROBES can be used as BIOLOGICAL CONTROL AGENT?
3. Explain the model of TOXIN ACTION with reference to FUNGAL DISEASES in man
4. Explain the diversity of ENERGY GENERATING system in MICROBES.
5. Discuss the EVOLUTION of MICROBES into diversifying ecosystem.