



THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED

Q.1. Answer the following short questions.

(15x2=30)

1. What do you understand by the term NITRIFICATION?
2. What do you mean by MICROBIAL ROOT COLONIZATION?
3. Name two plant diseases caused by FUNGI.
4. What do you mean by the term TOXIN?
5. Name two FUNGAL diseases in man.
6. Differentiate between YEAST and MOLD.
7. What are METHANOGENS?
8. What is ANIMAL FERMENTATION?
9. Define PROPHAGE
10. Write about ANTIVIRAL AGENTS?
11. What is BIOLOGICAL CONTROL?
12. What do you mean by the term PROBIOTICS?
13. What are ARCHAEA?
14. What do you know about CROWN GALL disease in plants?
15. What are LEGUMES?

Q.2. Answer the following questions.

(5x6=30)

- i. Explain LYSOGENIC CYCLE in phages.
- ii. Briefly discuss CARBON CYCLE in the ecosystem.
- iii. Describe the EVOLUTION of MICROBES into diversifying ecosystem.
- iv. Explain the model of TOXIN action of microbes.
- v. Discuss the use of MICROBIAL communities in the treatment of SEWAGE.