

APRIL/MAY 2019

**MAM15A — BIOFERTILIZER
TECHNOLOGY**

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL questions.

1. (a) Explain the general characteristics of Azotobacter.

Or

- (b) Describe the characteristic features of Laccaria species.

2. (a) List out the advantages of vermicompost.

Or

- (b) What are heterocysts? Describe their structure and function.

3. (a) Explain the isolation of Azospirillum from the soil.

Or

- (b) Give an account of different methods of field application of Rhizobium inoculant.

4. (a) Write notes on pit method of BGA culture.

Or

- (b) Describe the mass cultivation of Azolla.

5. (a) Write short notes on Mycorrhizal benefits to plants.

Or

- (b) Comment on storage of biofertilizers.

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

Discuss about the structure and characteristic features of Bacillus.

7. Write an essay on factors affecting organic matter decomposition.

8. Give a detailed account of mass production of Azotobacter.

9. Describe the isolation and mass cultivation of cyanobacteria.

10. Write about isolation of arbuscules mycorrhizal fungi.