NOVEMBER/DECEMBER 2018

MAM15A — BIOFERTILIZER TECHNOLOGY

Time : Three hours Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL the questions.

1. (a) Give an account of the structure of Glomus and Gigaspora fungal species.

Or

(b) Write about cultural characteristics of Frankia.

2. (a) Comment on phosphate solubilization mechanism.

Or

(b) Give an account of available soil nutrients for microbial growth.

3. (a) Discuss briefly about the methods of field application of Rhizobium inoculant.

Or

(b) Write a note on field application of Azotobacter and its response.

4. (a) Describe the mass cultivation of Azolla.

Or

(b) Give an account on trough nethod for algal production.

5. (a) Write about quality control of rhizobial inoculants.

Or

(b) Describe the storage method of biofertilizers.

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

6. Discuss in detail about the structure and salient features of Azospirillum.

7. Write an essay on vermicomposting technology.

8. Give an account on mass production of Azotobacter.

9. Discuss in detail about the isolation and mass cultivation of blue green algae.

10. Give an account of the method of isolation and mass production of VAM fungi.

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