

NOVEMBER/DECEMBER 2019

**MAM11 — GENERAL MICROBIOLOGY AND  
MICROBIAL PHYSIOLOGY**

Time : Three hours

Maximum : 75 marks

**SECTION A — (5 × 6 = 30 marks)**

Answer ALL questions.

1. (a) Discuss about the discovery of Microbial world in brief.

Or

- (b) Comment on Chemotaxonomy.

2. (a) Describe about working principles and types of centrifuge.

Or

- (b) Comment on working principles of spectrophotometer.

3. (a) Define growth curve. What are the phases present in growth curve?

Or

- (b) Describe briefly about synchronous growth.

4. (a) Discuss briefly about algal classification.

Or

- (b) Write about TMV structure.

5. (a) Comment on Bioluminescence.

Or

- (b) Distinguish between cyclic and non cyclic photophosphorylation.

**SECTION B — (3 × 15 = 45 marks)**

Answer any THREE questions.

Describe about the recent development in medicine.

7. Explain about the working principles of TEM.

8. Discuss about the measurement of growth.

9. Illustrate about the structure and classification of fungi.

10. Discuss about the structure of proteins.