

NOVEMBER/DECEMBER 2018

**MAM12 — FOOD, AGRICULTURE AND  
ENVIRONMENT MICROBIOLOGY**

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL questions.

1. (a) Bring out the factors influencing microbial growth in food.

Or

- (b) Give an account of preservation methods of poultry products.

2. (a) List out and explain the microbiology of cheese.

Or

- (b) Give an account of Solmonella.

3. (a) Write note on mutualism.

Or

- (b) Give an account of parasitism.

4. (a) Describe the methods of Biofertilizers application.

Or

- (b) List out the importance of rhizobium.

5. (a) Write note on impact of Acid rain.

Or

- (b) Give an account of sources of water pollution.

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

6. Write an essay on single cell protein and their uses.

7. Explain

(a) Clostridium

(b) E.coli.

8. Explain the role of microbes in soil fertility.

9. Give a detailed account of mass production of BGA.

10. Explain the global warming and their impact.