

NOVEMBER/DECEMBER 2018

MAM21 — MEDICAL MICROBIOLOGY

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL the questions.

1. (a) Give a brief note on transmission of pathogens.

Or

- (b) Describe the various determinants of virulence.

2. (a) Write briefly about isolation and identification of bacteria from upper respiratory tract infection.

Or

- (b) Give an account of the principle and clinical applications of immuno fluorescence technique.



3. (a) Explain the general characteristics of corynebacterium.

Or

(b) Describe the pathogenesis and diagnosis of Rickettsia.

4. (a) Comment on mumps.

Or

(b) Explain the structure and classification of pox viruses.

5. (a) Give an account of life cycle of Taenia Solium.

Or

(b) Define dermatophytosis. Explain the different groups of dermatophytes and their pathogenesis.

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

6. Write a detailed account on acquired immunity.

7. Discuss about the principle and application of PCR.

8. Write in detail about the etiology, transmission, symptoms, diagnosis and control of typhoid fever.

9. Describe the structure, pathogenicity and lab diagnosis of rabies virus.

10. Describe in detail the life cycle of Entamoeba histolytica.

