



APRIL/MAY 2019

MAM4245 CLINICAL MICROBIOLOGY

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL questions.

1. (a) Write short notes on the types of Antigen.

Or

- (b) Give an account on the complement system and its biological functions.

2. (a) Describe the structure and functions of spleen and lymph nodes.

Or

- (b) Write in brief about the effector mechanism of allograft rejection.

3. (a) Explain about any one sexually transmitted disease as you studied

Or

- (b) What is zoonoses? Discuss about any zoonotic disease.



4. (a) Give a brief account of action of antimicrobial drugs.

Or

- (b) How will you isolate and identify organism from tissue sample?

5. (a) Write in brief about the normal microflora of gastro intestinal.

Or

- (b) Define single gene disorder. Explain it with an example.

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

6. Explain the different types of ELISA.
7. Discuss the mechanism involved in Type I hypersensitivity with its clinical manifestation.
8. Write in detail about the causative organism, pathogenesis, lab diagnosis, control and preventive measures of typhoid.

9. Explain the life cycle, spread and control of malarial parasite.

10. Describe the types of vaccines and their methods of action.

