

2121

B.A./B.Sc. (General) Fifth Semester
Microbiology
MIC-501: Pathogenic Microbiology - I

Time allowed: 3 Hours

Max. Marks: 33

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Define the following:-

- a) Amastigote
- b) Germ-Tube test
- c) PPA test
- d) PLET medium
- e) Guarnieri bodies

(5x1)

UNIT - I

II. a) Explain the lab diagnosis of cerebrospinal meningitis.

b) Describe the mode of action of tetanus toxin.

(4,3)

III. a) Describe the virulence factors of streptococcus pyogenes.

b) Write in detail the prophylaxis of diphtheria.

(4,3)

UNIT - II

IV. a) Discuss the pathogenesis of rabies virus.

b) Write about Salk and Sabin's polio vaccine.

(4,3)

V. a) Explain primary viremia and secondary viremia.

b) Describe the clinical features of measles.

(4,3)

UNIT - III

VI. a) What are dermatophytes and give their classification.

b) Explain the pathobiology of cryptococcosis.

(4,3)

P.T.O.

(2)

- VII. a) Describe the lab diagnosis of candidiasis.
b) What is black piedra and white piedra.

(5,2)

UNIT – IV

- VIII. a) Describe the life cycle of Leishmania Donovanii.
b) Draw labeled diagram of trophozoite and cyst of entamoeba histolytica.
- IX. a) Describe the pathogenicity of toxoplasma Gondii.
b) Explain primary lesions and secondary lesions of amoebiasis.

(5,2)

(4,3)

x-xx

C4KNOWLEDGESEEKERS