

Roll No.

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Total Pages : 2

755302

Jan. 2022

M.Sc. (MICROBIOLOGY) IIIrd SEMESTER

Medical Microbiology (MMT-302)

Time : 90 Minutes]

[Max. Marks : 25

Instructions :

1. *It is compulsory to answer all the questions (1 mark each) of Part-A in short.*
2. *Answer any three questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART - A

1. (a) Explain Direct Immunofluorescence. (1)
- (b) Explain opportunistic pathogens. (1)
- (c) Write a note on acid fast bacteria. (1)
- (d) Write a note on biowar. (1)
- (e) What are the conditions in which normal microbiota can cause disease? (1)
- (f) Define Transport medium. (1)
- (g) With Formulae explain Mortality and Morbidity rate. (1)

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[P.T.O.]

- (h) Define Antigenic Shift and Antigenic Drift. (1)
- (i) With well labelled diagram explain the structure of corona virus. (1)
- (j) Explain biocrime. (1)

PART - B

2. (a) State the factors responsible for antibiotic resistance in an organism. (3)
- (b) Explain the life cycle of plasmodium. (2)
3. (a) In detail explain zoonotic disease plague. (2)
- (b) Explain Gas Gangrene and Tetanus. (3)
4. What is the etiology, spectrum, pathogenies, diagnosis and treatment of Leprosy? (5)
5. (a) Explain in detail pathogenesis and lab diagnosis of candidiasis. (3)
- (b) What basic steps will you follow to detect and diagnose infection in urine sample? (2)
6. (a) Write in detail about Dermatomycosis. (2)
- (b) Distinguish between exotoxins and endotoxins. (3)
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