



QP. CODE:M102B031

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MBBS DEGREE EXAMINATION: DECEMBER, 2022

SECOND M.B.B.S. EXAMINATION

MICROBIOLOGY PAPER-II (Theory Questions)

Time: 2 Hour 40 Minutes

Max Marks: 80

Note: Answer all questions.

Draw a neat diagram wherever necessary

SECTION-II (THEORY QUESTIONS - 80 MARKS)

WRITE ESSAY ON THE FOLLOWING:

2 X15 = 30

1. Classify mycobacteria. Describe clinical features, pathogenesis, lab diagnosis and treatment of pulmonary tuberculosis
2. A 10 year old boy was brought to the OPD. After a dog bit his leg the wound was washed and cleaned with disinfectants
 - a. What could be the likely infection the patient would get if left unvaccinated (1)
 - b. Describe the morphology of the virus with a suitable diagram (2)
 - c. Write in brief on the pathogenesis (3)
 - d. Describe the clinical presentations (2)
 - e. Write about the laboratory diagnosis for this virus (4)
 - f. Enumerate the prevention and prophylaxis (3)

WRITE SHORT NOTES ON THE FOLLOWING:

10x5=50

3. Complications of post streptococcal infection
4. Satellitism





5. Influenza virus

6. Pneumocystis pneumonia

7. Laboratory diagnosis of meningitis

8. A 10 year old boy was brought to the emergency with muscle stiffness muscle rigidity and lock jaw. Two weeks back he had an injury with a sharp rod while playing. The wound had a serous discharge and now the patient was brought with the above symptoms

a. What is the likely diagnosis (1)

b. What are the two toxins produced by this organism (1)

c. Write briefly the laboratory diagnosis (2)

d. What is the prophylaxis which can prevent this infection (1)

9. Cryptococcal meningitis

10. Lymphogranuloma venereum

11. Yersinia pestis

12. Bacillus anthracis
