

B.Sc. MEDICAL LABORATORY TECHNOLOGY

THIRD YEAR

PAPER III – MICROBIOLOGY – II

Q.P. Code: 725033

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe about the pathogenesis and laboratory diagnosis of Mycobacterium tuberculosis. Add a note on prophylaxis.
2. Describe about the pathogenesis and laboratory diagnosis of HIV. Add a note on prophylaxis.
3. Explain about virus replication.

II. Write notes on:

(8 x 5 = 40)

1. Leptospirosis.
2. Write a note on Polymerase Chain Reaction.
3. Viral Diarrhoea.
4. Rabies virus.
5. Laboratory diagnosis of fungi.
6. Virus cultivation methods.
7. Streptococci.
8. Waste handling in laboratories.

III. Short answers on:

(10 x 3 = 30)

1. Candidiasis.
2. Weil's disease.
3. Mention any three microorganisms causing respiratory infections.
4. Nosocomial infections – Define and give two examples.
5. Give three examples for enrichment media.
6. What is window period? Give two examples.
7. Hepatitis – B virus.
8. Viral food poisoning.
9. BCG Vaccine.
10. Give a note on standard lab precautions.