

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 the pathogenesis and lab diagnosis of Rabies virus. Add a note on its prophylaxis.
2. Describe the Pathogenesis and lab diagnosis of Vibrio cholera. Add a note on its prophylaxis.
3. Enumerate opportunistic fungal infections. Describe in detail Candidiasis.

II. Write notes on:**(8 x 5 = 40)**

1. Laboratory acquired infections.
2. Antibiotic susceptibility testing.
3. Lyophilisation.
4. BCG vaccine.
5. Biosafety cabinet.
6. VDRL test.
7. Mycetoma.
8. Difference between Orthomyxovirus and Paramyxovirus.

III. Short answers on:**(10 x 3 = 30)**

1. Screening for MRSA carrier state.
2. Hepatitis B vaccine.
3. What are the precautions required while working in TB lab.
4. Name three microorganisms causing dysentery.
5. Describe the method of processing CSF sample for culture.
6. Name three infections transmitted through blood transfusion.
7. Write three difference between Classical vibrio and Eltor Vibrio.
8. Mycotoxins.
9. Window period.
10. Name three continuous cell lines.
