

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. Name the causative agent for syphilis. Describe the pathogenesis and laboratory diagnosis of syphilis.
2. List opportunistic fungi. Write in detail about aspergillosis.
3. Describe the pathogenesis and lab diagnosis of hepatitis B virus. Add a note on its prophylaxis.

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

1. Laboratory diagnosis of HIV infection.
2. Western blot.
3. Hand hygiene.
4. Maintenance of stock cultures.
5. Media used in mycology.
6. Laboratory diagnosis of viral infections.
7. Laboratory diagnosis of anthrax.
8. Biomedical waste management.

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

1. Rabies vaccine.
2. Transport media for vibrio cholera.
3. Morphology and culture characteristics *C. diphtheriae*
4. Oxidase test.
5. Methicillin resistant staphylococcus aureus.
6. Stalactite growth.
7. Cell lines.
8. Three opportunistic fungal infections.
9. Lepromin test.
10. VDRL.
