

**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 laboratory diagnosis of Cholera.
2. Enumerate Human Herpes Viruses. Discuss the pathology and laboratory diagnosis of Varicella Zoster Virus infection.
3. Classify Deep Mycotic infections. Discuss in detail the laboratory diagnosis of Mycotic Mycetoma.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Laboratory Diagnosis of Polio.
2. Laboratory Diagnosis of M.tuberculosis.
3. Widal test.
4. Antimicrobial Susceptibility testing.
5. Westernblot for HIV.
6. Hospital Acquired Infections.
7. Candida albicans.
8. Markers for Hepatitis B virus infection.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Name three DNA virus.
2. Confirmatory tests for HIV.
3. H1N1.
4. Name three Gram positive bacilli.
5. Lancefield Grouping of beta hemolytic Streptococci.
6. Preparation of Antibiotic Discs.
7. Satellitism.
8. Personal Protective Equipments.
9. India Ink preparation.
10. Hepatitis B vaccine.

\*\*\*\*\*