

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 Salmonella Typhi. Add a note on its prophylaxis.
2. Describe the Pathogenesis and lab diagnosis of Hepatitis B virus. Add a note on its prophylaxis.
3. Describe in detail the pathogenesis and lab diagnosis of dermatophytes.

II. Write notes on:

(8 x 5 = 40)

1. Lab diagnosis of fungal infections.
2. Antibiotic susceptibility testing.
3. Nosocomial infections.
4. MMR vaccine.
5. Biomedical waste handling in the laboratories.
6. Polymerase chain reaction (PCR).
7. Lab diagnosis of C diphtheria.
8. Lab diagnosis of HIV.

III. Short answers on:

(10 x 3 = 30)

1. Germ tube test.
2. Name three infections produced by Aspergillus sp.
3. Name three organisms causing sexually transmitted disease.
4. Name three subcutaneous mycoses.
5. Describe the method of urine collection for culture.
6. Name three oncogenic viruses.
7. Write three differences between Classical vibrio and Eltor Vibrio.
8. Name three zoonotic infections.
9. Cultivation of M tuberculosis.
10. Quality control in serology.
