

[LJ 0816]

AUGUST 2016

Sub. Code: 5033

**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 Poliovirus. 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. Antibiotic susceptibility testing.
2. How do you maintain stock cultures?
3. Mycetoma.
4. Rabies vaccine.
5. H1N1 virus.
6. Standard precautions.
7. Lab diagnosis of M tuberculosis.
8. Dermatophytes.

III. Short answers on:

(10 x 3 = 30)

1. Describe dimorphic fungi with examples.
2. Draw and label HIV.
3. Hepatitis B vaccine.
4. Name three organisms causing food poisoning.
5. Name three viruses causing diarrhoea.
6. How do you collect blood for culture?
7. Name three enrichment media and its use.
8. Classify streptococci.
9. Name three Arboviral infections seen in INDIA.
10. Cytopathic effect.
