

**BMLT/VS/CM/P-XIV
(U-XXVII)/19**

BMLT 5th Semester Examination, 2019

CLINICAL MICROBIOLOGY

PAPER –XIV

Full Marks : 40

Time : 2 hours

Answer Q.No. 1 and any three from the rest

The figures in the right-hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

U – XXVII

1. Answer any five questions : 2 × 5

~~(a)~~ **Mention the effect of alcohol on bacteria ?**

(b) What is inoculation in microbiology ?

~~(c)~~ **Define culture media ?**

(Turn Over)

(2)

(d) What are the special features of phase-contrast microscope?

(e) What is acid fast bacteria?

(f) Mention the causative agent of Kalazar and Swain flu.

(g) What is candidosis?

(h) What do you mean by opportunistic pathogen?

2. Write the basic practices in microbiology to maintain sterile condition during microbiological work. Write the applications of autoclave, Laminar air flow system, cotton, formalin in microbial laboratory.

6 + 4

3. Explain the use of selective and differential media with example in microbiological laboratory. What is the role of agar? Mention the function of cedar wood oil in light microscopic observation? What is enriched media?

(3 + 3) + 1 + 2 + 1

How does comdida infection is treated ? Write the symptoms, diagnostic procedure and treatment of Influenza and measles.

$$3 + \left(3\frac{1}{2} + 3\frac{1}{2} \right)$$

$$3 + 4 + 3$$

5. Write short notes on :

(i) Mycotoxins

(ii) Gram staining

(iii) Bacterial capsule.

6. Write the diagnosis of any two mycotic infections of human. Describe in brief about quality control aspects in microbiology.

$$\left(2\frac{1}{2} + 2\frac{1}{2} \right) + 5$$