

VS/BMLT/XIV/U-27/17

BMLT 5th Semester Examination, 2016

CLINICAL MICROBIOLOGY

PAPER – XIV (U-27)

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

UNIT – 27

1. Answer any five of the following : 2 × 5

(a) Why Mycobacterium doesn't take gram stain directly ?

(b) What is the function of pili and flagella ?

(Turn Over)

- (c) What are the types of bacteria and their shape?
- (d) Why gram Negative bacteria do not take crystal violet?
- ~~e~~ (e) What is pasteurization?
- (f) What is transport media? Give example.
- (g) Write the full form of L.P.S and function.
- (h) What do you mean by mesosome?

2. What is culture media? Why it's need in microbiology? Write down the preparation of blood agar and chocolate agar. 2 + 2 + 3 + 3

3. Write down the principle of Gram stain and ZN stain. Why Gram positive bacteria are Gram positive and Gram negative bacteria are Gram negative? 3 +

14/24

4. Write the differences among sterilization, disinfection and antiseptic? Write the different types of sterilization in the laboratory. 3 + 7

(3)

What is fungus ? What are the different methods of sample collection and lab-diagnosis ? 1 + 3 + 6

6. What is the Causative bacteria for pyogenic meningitis ? Write down the laboratory diagnosis and pathogenesis of that disease. 1 + 7 + 2
-