

Total Pages-3

RNLKWC(A)/BMLT/XXVII/SEM-V/2023

2023

B.Sc.

B.Sc. Fifth Semester End Examination - 2023

BMLT

PAPER - XXVII

Clinical Microbiology

Full Marks : 40

Time : 2 hours

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.

Group - A

- 1. Answer any five questions of five following : 2×5=10**
- (a) Name the causative organism of Leishmaniasis. Write the full form of PKDL?
 - (b) What are zoonotic influenza and seasonal influenza?
 - (c) Define disinfectant. How it differ from antiseptics?
 - (d) Name two examples of 'Acid Fast organism'.
 - (e) What are the limitation of serological testing for diagnosis of invasive fungal infection?

(Turn Over)

(2)

(3)

- (f) Define media. Give two examples of solidifying agent?
- (g) What is the use of QUATs in health care?
- (h) Write down the full form of BHI and PCR.

2. Answer any four questions of the following : 5×4=20

- (a) Describe the viral classification based on genome type, mode of replication and transcription?
- (b) Write a short note on influenza A(H1N1) Virus?
- (c) What are the differences between antiseptics and disinfectants? Write down the characteristic of a ideal antiseptics?
- (d) Write a short note on BSL-3.
- (e) Write a short note on—
 - (i) Autoclave
 - (ii) Microscope.
- (f) How phenol and Iodine inhibit/ killed microorganism?

3. Answer any one question of the following : 10×1=10

- (a) Define culture media. Describe different type of culture media with example. How do you respiratory specimen in Laboratory? How will you biochemically identify late lactose fermentoer (LLF) bacteria? 2+2+3+3

- (b) Define pasturization? Describe the different physical method of sterilization. Why 70% ethanol is used during mycological sample collection? 2+3+5