

**2021**

**BMLT**

**(B.Sc. Fifth Semester End Examination-2021)**

**PAPER-XXVII (Theory)**

**Full Marks: 40**

**Time: 02 Hrs**

*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*

**Clinical Microbiology**

**Group-A**

- 1. Answer any five questions of the following: 5x2= 10**
- a. Name the causative organism of 'Candidiasis'? What is shape of the organism? 2
  - b. Name two fungal antibiotics along with the organism. 2
  - c. Write the difference between sterilization and disinfection. 1+1
  - d. Name any two acid fast organisms 2
  - e. What are the common approaches for the laboratory diagnosis of fungal infections? 2
  - f. What is facultative organism? Give example . 1+1
  - g. What is MMR? 2
  - h. Why virus is called extra cellular parasites? 2

(2)

**Group-B**

2. Answer any four questions of the following: **5x4 = 20**
- a. What are the advantages and disadvantages of use of serological testing for diagnosis of invasive fungal infection?  $2\frac{1}{2} + 2\frac{1}{2}$
- b. How will you maintain quality control in your bacteriological laboratory? 5
- c. What are biological and chemical control of autoclave?
- d. Write the basic structure of influenza virus with diagram. 5
- e. How we collect mycological samples and what is LPCB? 3+2
- f. What is the causative organism for Kala-Azar? How it transmit?  
What are the symptoms of Kala-Azar? 1+2+2

**Group -C**

Answer any one question of the following: **10x1 = 10**

- a. Mention the names of common causative organisms responsible for sore-throat? How will you collect and transport the sample to a distance laboratory? How will you isolate the commonest organism responsible for sore throat? 1+3+2+4
- b. Define sterilization. Describe the different physical methods of sterilization. 2+8
-