

D.M.L.T. Winter-2021
SUBJECT: MICROBIOLOGY

Day: Friday
Date: 17-12-2021 W-2021-2841

Time: 1:30 P.M. TO 4:30 P.M.
Max. Marks: 100

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat and labelled diagram **WHEREVER** necessary.

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- Q.1** Define serological reactions. Enumerate antigen antibody reactions. Describe agglutination reaction in detail. (15)
- Q.2** Describe morphology and cultural characteristics of mycobacterium tuberculosis. Write in detail about laboratory diagnosis of pulmonary tuberculosis. (15)
- Q.3** Classify fungi. Enumerate fungi causing superficial infections. Write a note on dermatophytosis. (15)
- Q.4** Enumerate organisms causing urinary tract infection. Describe the laboratory diagnosis of urinary tract infection. (15)
- Q.5** Write short notes on any **FOUR** of the following (20)
- a) Robert Koch
 - b) McIntosh Fildes's Jar
 - c) Hot air oven
 - d) Aspergillosis
 - e) Laboratory diagnosis of HIV
- Q.6** Write short notes on any **FOUR** of the following (20)
- a) Universal safety precautions in the laboratory
 - b) Processing of CSF sample for culture
 - c) Gram staining
 - d) Candidiasis
 - e) Cultivation of viruses

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