

**D. M. L. T. : SUMMER - 2019**  
**SUBJECT: MICROBIOLOGY**

Day : Monday  
Date : 03/06/2019

**S-2019-3906**

Time : 2.00 P.M. TO 5.00 P.M  
Max Marks : 100

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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 sterilization. Describe sterilization by moist heat in details (15)

**Q.2** What are the precautions to be taken while preparing culture media? (15)  
Write the classification of culture media with examples.

**Q.3** Discuss in details about various serological tests done for the (15)  
diagnosis of Syphilis.

**Q.4** How will you process stool sample in laboratory for the diagnosis of (15)  
Cholera?

**Q.5** Write short notes on **ANY FOUR** of the following: (20)

- a) Hot air oven
- b) Coagulase test
- c) Laboratory diagnosis of Malaria
- d) Stool concentration methods for parasitic ova and cysts
- e) Demonstration of bacterial motility

**Q.6** Write short notes on **ANY FOUR** of the following: (20)

- a) *Candida albicans*
- b) Laboratory diagnosis of *Mycobacterium Tuberculosis*
- c) Processing of urine sample for diagnosis of urinary tract infection
- d) Gram's stain
- e) Biomedical waste management

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