

M. D. (Microbiology) : SUMMER - 2019
PAPER - I
SUBJECT : GENERAL BACTERIOLOGY AND IMMUNOLOGY

Day : Saturday
Date : 01/06/2019

S-2019-3825

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

N.B. :

- 1) Question **No. 1** and **No. 2** are **COMPULSORY**. Write **ANY SEVEN** out of the remaining **EIGHT** questions.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat labelled diagrams **WHEREVER** necessary.
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- Q.1** Discuss various biochemical and genetic mechanisms of drug resistance in bacteria. (15)
- Q.2** Describe T-Lymphocytes and their sub sets. What is their role in Immunity? (15)
- Q.3** Describe virulence factors of bacteria. (10)
- Q.4** Classify Biosafety Cabinets. Discuss their role in a diagnostic microbiology Laboratory. (10)
- Q.5** Describe role of Microscopy in diagnostic microbiology. (10)
- Q.6** Describe various Sterilization techniques used in CSSD. (10)
- Q.7** Describe Quality Control in Microbiology laboratory. (10)
- Q.8** Describe in detail various methods of producing anaerobiosis for isolation of anaerobic bacteria. (10)
- Q.9** What is CLSI and why is it important to the Laboratory? (10)
- Q.10** Write in brief on 'Super Antigens'. (10)

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