



AAI-4572

Seat No. _____

D. M. L. T. Examination

March / April - 2016

General Microbiology, Bio-Medical Micro & Serology

Time : 3 Hours]

[Total Marks : 100

- Instructions :**
- (1) Write Section-I and Section-II in separate answer sheet.
 - (2) Draw figures wherever necessary.
 - (3) Figures on right indicate full marks.

SECTION - I

- 1** Write short notes on any **three** : **18**
 - (a) Koch's Postulates.
 - (b) Bacterial Cell Wall.
 - (c) Autoclave.
 - (d) Antibiotic Sensitivity Testing.

- 2** Write short notes on any **three** : **18**
 - (a) Antigen.
 - (b) Enzyme Linked Immuno Assay (ELISA).
 - (c) Hospital Waste Management.
 - (d) Universal laboratory safety precautions.

- 3** Write answers in 2-3 sentences : **14**
 - (a) Name four motile bacteria.
 - (b) Draw labeled diagram of IgM
 - (c) Define innate Immunity.
 - (d) Give two examples of Transport Media.
 - (e) What is Prozone phenomenon.
 - (f) Principal & Sterilizing temperatures used in Inspissation.
 - (g) Define Disinfection.

SECTION - II

- 4 Write short notes on any **three** : 18
- (a) Blood Culture.
 - (b) Classification of Strptococci.
 - (c) Collection & transport of clinical specimen for microbiological investigations.
 - (d) Laboratory diagnosis of Cholera.
- 5 Write short notes on any **three** : 18
- (a) Hepatitis B.
 - (b) Laboratory diagnosis of Malaria.
 - (c) Dermatophytes.
 - (d) Amoebiasis.
- 6 Write answers in 2-3 sentences : 14
- (a) Significant Bacteriuria.
 - (b) Name two parasites infecting CNS.
 - (c) Name four pigment producing bacteria.
 - (d) Draw labeled diagrams of Enerobious vermicularis egg.
 - (e) Define dimorphic fungi.
 - (f) Name four viruses transmitted by blood born route.
 - (g) Write full form of TORCH.
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