



NAO-4572

Seat No. _____

D. M. L. T. Examination

March / April - 2017

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) Cold Sterilization.
(c) Bacterial Cell Wall.
(d) Plasmid.
- 2** Write short notes on any **Three** : **18**
(a) Immunoglobulin M.
(b) Oxidase Test.
(c) Hospital Waste Management.
(d) Precipitation.
- 3** Write answers in 2-3 sentences : **14**
(a) Define Antigen.
(b) Enumerate sterilization control for Autoclave.
(c) Draw labeled diagram of Bacterial Growth Curve.
(d) Give two examples of Transport Media.
(e) Enumerate different flagellar arrangement.
(f) Enumerate 2 Serological test based on Agglutination.
(g) Enumerate 4 methods of Anaerobiosis.

SECTION - II

- 4 Write short notes on any **Three** : 18
- (a) Laboratory diagnosis of Urinary Tract Infection.
 - (b) Blood Culture.
 - (c) Laboratory diagnosis of Staphylococci.
 - (d) Laboratory diagnosis of Tuberculosis.
- 5 Write short notes on any **Three** : 18
- (a) Polio Vaccine.
 - (b) Laboratory diagnosis of Entameba histolytica.
 - (c) Laboratory diagnosis of Fungal Infection.
 - (d) Life cycle of Plasmodium vivax.
- 6 Write answers in 2-3 sentences : 14
- (a) Enumerate 2 Organisms that causes Sexually Transmitted Diseases.
 - (b) Name two parasites infecting Liver.
 - (c) Name four pigment producing bacteria.
 - (d) Draw labeled diagrams of Round worm egg.
 - (e) Enumerate four Opportunistic fungi.
 - (f) Enumerate Acid fast Organisms.
 - (g) Write full form of TORCH.
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