



DC-4573

Seat No. _____

D. M. L. T. Examination

April / May – 2015

Urine Analysis & Body Fluid Examination

Time : 3 Hours]

[Total Marks : 100

- Instructions :**
- (1) Figures to the right indicate full marks.
 - (2) Draw neat and labelled diagrams, where necessary.
 - (3) Write answers of section I and II in separate answer books.

SECTION – I

- 1** Write short notes on **any three** : **18**
 - (a) Describe the mode of formation of urine.
 - (b) Various methods of collection of sample of urine.
 - (c) Significance of Ph and odour of urine sample.
 - (d) Qualitative Benedict's test –Principle and interpretation.

- 2** Write short notes on **any three** : **18**
 - (a) Method and precaution in collection of sputum sample.
 - (b) Rothera's test for ketone bodies : principle, method and clinical significance.
 - (c) Enumerate bile salts and bile pigments and describe methods for detection of bile pigments.
 - (d) Bence Jones proteins.

- 3** Write answer in 2 or 3 sentences only **14**
 - (a) Indications of urine examination.
 - (b) Give causes of Albuminuria.
 - (c) Causes of red coloured urine.
 - (d) Enumerate casts seen in urine.
 - (e) Difference between transudate and exudates.
 - (f) Use of Asbach's Albuminometer.
 - (g) Physical examination of Ascitic fluid.

SECTION - II

- 4** Write short notes on **any three** : **18**
- (a) Life cycle and diagnosis of *E. Histolytica*.
 - (b) Draw and Describe a normal Spermatozoa.
 - (c) Draw a lumbar puncture needle & enumerate indications of CSF examination.
 - (d) Laboratory diagnosis of Malaria.
- 5** Write short notes on **any three** : **18**
- (a) Chemical examination of CSF.
 - (b) Describe positive findings in a urine sample of a patient with Jaundice.
 - (c) Life cycle of *P. Falciparum*.
 - (d) Importance of Specific gravity of urine.
- 6** Write answers in 2 or 3 sentences only **14**
- (a) Define oligospermia and Azoospermia.
 - (b) Enumerate crystals in alkaline urine.
 - (c) Define Xanthochromia and enumerate causes.
 - (d) Method of collection of blood for detection of *Microfilaria*.
 - (e) Draw eggs of *Ascaris Lumbricoides* and *Ancylostoma Duodenale*.
 - (f) What is fluid cytology.
 - (g) Describe Pandy's test.
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