



RAA-4573

Seat No. _____

D. M. L. T. Examination

March - 2019

Urine Analysis & Examination of Body Fluid

Time : 3 Hours]

[Total Marks : 100

- Instructions :** (1) Figures to the right indicate full marks.
(2) Draw neat and labeled diagram wherever necessary.
(3) Write answers to each section separately.

SECTION - I

- 1** Write short note on (any **three**) **18**
- (a) Describe the mode of formation of urine.
 - (b) Methods of collection of urine sample.
 - (c) Name ketone bodies in urine and describe tests for them.
 - (d) Causes of proteinuria. Tests for detection of protein in urine.
- 2** Write short notes on : (any **three**) **18**
- (a) Principle and interpretation of qualitative Benedict's test.
 - (b) Describe methods to measure specific gravity of urine.
 - (c) What is urinary cast. Mention various types of casts and their significance.
 - (d) Pregnancy test using urine sample.
- 3** Write answers in two to three sentences only : **14**
- (a) Define xanthochromia and enumerate its causes.
 - (b) Causes of Glycosuria.
 - (c) Preservatives for urine samples.
 - (d) Write in brief about Hay's Sulphur flower test.
 - (e) Difference between hematuria and hemoglobinuria.
 - (f) Significance of odour in urine.
 - (g) Use of Esbach's Albuminometer.

SECTION - II

- 4 Write short note on (any **three**) 18
- (a) Physical, chemical and microscopic examination of semen.
 - (b) Morphology of various forms of P. Vivax and P. Falciparum.
 - (c) Method of total and differential cell count in CSF.
 - (d) Precautions to prevent biohazards while handling various body fluids.
- 5 Write short notes on : (any **three**) 18
- (a) Method of testing occult blood in stool and interpretation.
 - (b) Tubeless gastric analysis.
 - (c) Concentration method for ova and cyst detection.
 - (d) Life cycle of A. Lumbricoides.
- 6 Write answers in 2 to 3 sentences only : 14
- (a) Draw ova and cyst of E Vermicularis.
 - (b) Draw a labeled diagram of Sperm.
 - (c) Define Polyuria, oliguria and anuria.
 - (d) Enumerate various body fluids.
 - (e) Indications of Sputum examination.
 - (f) Give a brief account on Exfoliative Cytology.
 - (g) What is Pandy's test ?
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