



**PC-4573**

Seat No. \_\_\_\_\_

**D. M. L. T. Examination**

**March / April - 2020**

**Urine Analysis & Examination of Body Fluid**

Time : 3 Hours]

[Total Marks : 100

- Instructions :** (1) Figures to the right indicate full marks.  
(2) Draw and label neat 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) Methods of collection of Urine Sample.  
(b) Name Ketone bodies present in Urine and tests of detection of ketone body.  
(c) Describe tests for sugar estimation in urine.  
(d) Write about Microscopic examination of urine.
- 2** Write short notes on : (Any **Three**) **18**  
(a) Describe tests for Urobilinogen.  
(b) Causes of proteinuria. Tests for detection of protein in urine.  
(c) Pregnancy test in urine.  
(d) Describe methods for measurement of specific gravity.
- 3** Write answers in 2-3 sentences : **14**  
(a) Condition in which ketone bodies are seen in urine and write name of it.  
(b) What is isosthenuria ?  
(c) What is xanthochromia ?

- (d) What is Anuria ?
- (e) What is exudate ?
- (f) Normal sperm count in semen
- (g) Causes for Glycosuria.

## SECTION - II

- 4** Write short notes on : (Any **Three**) **18**
- (a) Morphology of various form P.vivex and p.Falciparum.
  - (b) Life cycle and diagnosis of E.Vermicularis.
  - (c) Describe tests for protein estimation in CSF.
  - (d) Physical examination of CSF.
- 5** Write short notes on : (Any **Three**) **18**
- (a) Test for Sugar in CSF and its interpretation and normal value of sugar in CSF.
  - (b) Clinical examination of urine in a patient of Diabetic Coma.
  - (c) Method for testing occult blood in stool and its interpretation.
  - (d) Describe test for bile salt and bile pigment.
- 6** Write answers in 2-3 sentences : **14**
- (a) What is Pandys Test ?
  - (b) Enumerate parasites seen in stool.
  - (c) Name four parasitic diseases caused by contaminated water and food.
  - (d) Normal cell count and cell types in CSF.
  - (e) Discuss about care you will take while testing body fluid to prevent biohazards.
  - (f) AFB stain for sputum.
  - (g) Contents of semen diluting fluid for sperm count.