



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

**HC-4573**  
**D. M. L. T. Examination**  
**April - 2023**  
**Urine Analysis & Examination of Body Fluid**

Time : 3 Hours / Total Marks : 70

- 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 mesurment 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 xenochromia?
  - (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.Faiciparum*.
  - (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 in 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.
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