



**MAP-4573**

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

**D. M. L. T. Examination**  
**March / April - 2018**  
**Urine Analysis & Body Fluid**

Time : 3 Hours]

[Total Marks : 100

- Instructions :**
- (a) Figures to the right indicate full marks.
  - (b) Draw and label neat diagrams, where necessary.
  - (c) Write answers of Section I and II in separate answer books.

**SECTION – I**

- 1** Write short notes on any three : **18**
- (a) Write about microscopic examination of urine.
  - (b) Write about method of collection of urine and methods of preservation of urine.
  - (c) Write pre-renal, renal and post-renal causes of proteinuria with tests to detect protein in urine.
  - (d) What is azotemia and uremia ? Write their causes.
- 2** Write short notes on any three : **18**
- (a) Tubeless gastric analysis.
  - (b) Difference between transudate and exudate.
  - (c) Describe physical examination of Cerebrospinal fluid (C.S.F.).
  - (d) Pregnancy test in urine.
- 3** Write answers in 2-3 sentences : **14**
- (a) What is fixed specific gravity in urine and mention its value.
  - (b) Normal cell count and normal cell type in C.S.F.
  - (c) Draw a diagram of calcium oxalate crystal and tyrosine crystal.
  - (d) Name the tests for detection of Bile salts and Bile pigments in urine.
  - (e) Name the parasites seen in urine.
  - (f) Causes of hemoglobinuria.
  - (g) What is eGFR ?

## SECTION – II

- 4 Write short notes on any three : 18
- (a) Concentration method for detection of ova and cyst in feces.
  - (b) Physical and microscopic examination of semen.
  - (c) Method of ZN stain and grading of AFB in sputum.
  - (d) Life cycle and laboratory diagnosis of *E.histolytica*.
- 5 Write short notes on any three : 18
- (a) Morphology of various forms of *P.vivax* and *P.falciparum*.
  - (b) Sputum examination - Indication and physical examination.
  - (c) Discuss about care you will take while testing body fluids to prevent biohazard.
  - (d) Describe method of testing occult blood in stool and its significance.
- 6 Write answers in 2-3 sentences : 14
- (a) What is albuminocytogenic dissociation ?
  - (b) What are the indications of semen analysis ?
  - (c) What is Pandy's test ?
  - (d) What is Cobweb ?
  - (e) Causes of glycosuria.
  - (f) Use of Esbach's albuminometer.
  - (g) Difference between *T.saginata* and *T.solium*.