



**NAP-4573**

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

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

**March / April - 2017**

**Urine Analysis & Body Fluids**

Time : 3 Hours]

[Total Marks : 100

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

**SECTION - I**

- 1** Write notes on : (any **three**) **18**
- (a) Physical examination of urine and its significance.
  - (b) Chemical examination of urine in a patient of diabetic coma.
  - (c) Test for urobilinogen in urine - giving its principle, procedure and significance.
  - (d) Procedure for microscopic examination of urine and significance of casts in urine.
- 2** Write notes on : (any **three**) **18**
- (a) Physical, chemical and microscopic examination of C.S.F. with findings in normal C.S.F.
  - (b) Difference between transudate and exudate.
  - (c) Tubeless gastric analysis.
  - (d) Collection & physical examination of semen
- 3** Write answer in 2-3 sentences : **14**
- (a) Give causes of glycosuria.
  - (b) Causes of turbidity in urine sample.
  - (c) Pericardial fluid examination.
  - (d) Significance of clot in CSF.
  - (e) Significance of abnormal forms of spermatozoa in semen examination.
  - (f) Name the test for bile pigment & bile salt in urine.
  - (g) Important test done in synovial fluid.

## SECTION - II

- 4 Write notes on : (any **three**) 18
- (a) Morphological difference between E.Histolytica and E.Coli.
  - (b) Concentration method for ova and cyst detection.
  - (c) Life cycle of Ascaris Lumbricoides.
  - (d) Life cycle of E.Vermicularis.
- 5 Write notes on : (any **three**) 18
- (a) Findings in microscopic examination of semen.
  - (b) Examination of sputum with procedure and principle of AFB staining.
  - (c) Principle and procedure of occult blood test in stool.
  - (d) Procedure to demonstrate fat in stool.
- 6 Write answer in 2-3 sentences : 14
- (a) Draw and label ova of A. Lumbricoides.
  - (b) Name four parasitic diseases caused by contaminated food and water.
  - (c) Enumerate test done in peritoneal effusion.
  - (d) Storage recommendation for urine reagent strip.
  - (e) Enumerate methods used to measure specific gravity of urine.
  - (f) Draw a diagram of normal spermatozoa.
  - (g) Content of diluting fluid used for sperm count.
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