



BS-4573

Seat No. _____

D. M. L. T. Examination

April - 2021

Urine Analysis and Examination of Body Fluids

Time : 3 Hours]

[Total Marks : 100

- Instructions :** (1) Write answer to each section separately.
(2) Draw diagrams wherever necessary.
(3) Figures to right indicate marks.

SECTION - I

- 1** Write notes on : (any **three**) **18**
(a) Write details about various colour of urine.
(b) Write details about cast present in urine.
(c) Write names of keton bodies and test for its detection in urine.
(d) Various tests used for detection of protein in urine.
- 2** Write notes on : (any **three**) **18**
(a) Write about various preservatives used for urine in detail.
(b) Write details about physical examination of C.S.F.
(c) Describe difference between exudates and transudates.
(d) Write details about physical examination of sputum.
- 3** Write answers in 2-3 sentences only. **14**
(a) Enumerate sample collection methods for urine.
(b) Define Nocturia and Anuria.
(c) Write about abnormal odour of urine with its cause.
(d) Name test to detect bile pigment in urine.
(e) Enumerate causes of hematuria.
(f) Give normal value of sugar and protein in CSF.
(g) Give causes of turbid CSF.

SECTION - II

- 4 Write notes on : (Any **three**) 18
- (a) Write in detail about collection and preservation of body fluids.
 - (b) Write in detail about parasite seen in urine.
 - (c) Morphological difference between various species of malaria.
 - (d) Write in detail about microscopic examination of C.S.F.
- 5 Write notes on : (any **three**) 18
- (a) Write about various tests for protein in urine and causes of proteinuria.
 - (b) Life cycle and clinical features of *Entamoeba histolytica*.
 - (c) Write in detail about significance of specific gravity in urine examination.
 - (d) What is glycosuria ? Write details about sugar examination in urine with causes of glycosuria.
- 6 Write answers in 2-3 sentences only: 14
- (a) ZN stain in body fluid.
 - (b) Name parasitic diseases transmitted by feco - oral route.
 - (c) Define aspermia and oligospermia.
 - (d) Draw a diagram of *T.Saginata*.
 - (e) Draw a diagram of Calcium oxalate crystal.
 - (f) Write indication of sputum examination.
 - (g) Define chyluria.
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