

**B.Sc. MEDICAL LABORATORY TECHNOLOGY
(BMLT)**

**Term-End Examination
June, 2012**

**BAHI-004 : CLINICAL PATHOLOGY AND
PARASITOLOGY**

Time : 3 hours

Maximum Marks : 70

Note : Attempt all questions. Follow instructions under each question.

PART-A

1. (a) Answer *True* or *False* : 1x5=5
- (i) The route of infection in pin worm infection is ingestion.
 - (ii) Plasmodium vivax produces cerebral malaria.
 - (iii) Total absence of urine secretion is called Oliguria.
 - (iv) The LD body is the amastigote stage of Leishmania donavani.
 - (v) Schistosoma hematobium affects the urinary bladder venous plexus.

- (b) Fill in the blanks : 1x5=5
- (i) The normal sperm count in an adult male is _____.
 - (ii) Hematuria means _____ in the urine.
 - (iii) Sputum for Acid fast bacilli is detected by _____ stain.
 - (iv) The normal value of CSF sugar is _____.
 - (v) The infective stage of the malarial parasite for MAN is _____.

2. Write briefly on the following : 2x5=10
- (a) Ovum of Round worm
 - (b) Bile pigments in urine
 - (c) Cyst of *Entamoeba histolytica*
 - (d) Chyluria
 - (e) *Naegleria*

3. Write short notes on *any four* of the following : 5x4=20
- (a) Urine microscopy
 - (b) Gram stain of sputum
 - (c) *Microfilaria*
 - (d) Sperm count
 - (e) Saline and Iodine examination of faeces.

PART-B

Answer *any three* questions :

10x3=30

4.
 - (a) Define Glycosuria.
 - (b) Enumerate the various qualitative and quantitative tests for estimating the sugar in urine.
 - (c) Describe one quantitative test for Glucose.

 5.
 - (a) Name the causative agent of Visceral Leishmaniasis.
 - (b) Describe with the help of diagrams the life cycle of this parasite.
 - (c) How is this condition diagnosed ?

 6.
 - (a) List three intestinal nematodes causing disease in man.
 - (b) Describe with the help of diagrams the life cycle of any one of them.
 - (c) Discuss its laboratory diagnosis.

 7. A patient with suspected meningitis is admitted in the hospital and CSF is sent for laboratory examination.
 - (a) Enlist the findings, of gross examination.
 - (b) Describe the various biochemical and microscopic tests for this patient.
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