

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

**Term-End Examination**

**December, 2012**

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

*Time : 3 hours*

*Maximum Marks : 70*

**PART-A**

1. (a) Answer *True* or *False* : 1x5=5
- (i) Diacetic acid is a ketone body.
  - (ii) CSF is collected by venipuncture.
  - (iii) Fruity odour in urine is noted in Diabetes insipidus.
  - (iv) Black water fever is due to plasmodium vivax infection.
  - (v) NIH swab is used to demonstrate pin worm ovum.
- (b) Fill in the blanks : 1x5=5
- (i) Normal volume of fasting gastric juice is \_\_\_\_\_ .
  - (ii) Total sperm count in a normal adult male is \_\_\_\_\_ .
  - (iii) Leucine crystals when examined under microscope appear as \_\_\_\_\_ .
  - (iv) Kala azar is caused by \_\_\_\_\_ .
  - (v) Abnormal decrease in the formation of urine is called \_\_\_\_\_ .

**PART - B**

2. Write in brief on the following : 2x5=10

- (a) Azoospermia
- (b) Charcot leyden crystals in sputum
- (c) Conditions showing decreased CSF glucose.
- (d) Triple phosphate crystals in urine
- (e) Difference between Haemoptysis and Haematemesis.

**PART - C**

3. Write short notes on *any four* of the following :

**5x4=20**

- (a) Bile salts in urine
- (b) Chyluria
- (c) microscopic finding of amoebic and bacillary dysentery
- (d) Xanthochromia
- (e) Gametocyte of plasmodium vivax
- (f) Abnormal colour in sputum

**PART - D**

**10x3=30**

4. Answer *any three* questions of the following.
- (a) Describe the preparation of urine sediment for microscopic examination. 2
  - (b) What precautions should be taken for this examination ? 4
  - (c) Draw and describe crystals seen in acid urine. 4
5. (a) Name the blood nematode that causes filariasis in man. 1
- (b) Describe the microfilariae with diagram. 5
  - (c) Describe the laboratory tests done to diagnose filariasis. 4
6. (a) Name four intestinal nematode. 2
- (b) Describe the life cycle of one nematode causing hypochromic microcytic anaemia. 5
  - (c) Discuss the clinical features and pathology of above condition. 3
7. (a) What are the purpose of examination of semen ? 2
- (b) Explain the various test procedures done to examine the specimen. 6
  - (c) Draw the various forms of spermatozoa. 2
-