B.Sc. MEDICAL LABORATORY TECHNOLOGY (BMLT)

01398

Term-End Examination

December, 2010

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 abnormal decrease in the secretion of urine is oliguria.

    (ii)   Each gram of protein per dl of urine raises the specific gravity by 0.004.

    (iii) Schizonts of Plasmodium falciparum are seen in peripheral blood.

    (iv)   Cysticercus is the larval stage of tape worm.

    (v)   The route of infection in Hook worm is ingestion.

(b) Fill in the blanks : 1x5=5

    (i) The normal sperm count in an adult male is _____.

    (ii) Azoospermia means _____.

    (iii) ZN stain of sputum is done to detect _____.

    (iv) The normal value of sugar in CSF is _____.

    (v) Saline examination of stool is important to - demonstrate _____.

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

    (a) Ovum of Enterobius vermicularis.

    (b) Gametocyte of Plasmodium falciparum.

    (c) Ketone bodies in urine.

    (d) Hyperchlorhydria.

    (e) LD bodies.

3. Write short note on *any four* of the following : 5x4=20

    (a) Differences between Transudates and Exudates.

    (b) Protein estimation in CSF.

    (c) Urine - microscopic examination.

    (d) NIH swab.

    (e) Microfilaria.

PART - B

Answer *any three* questions :   10x3=30

4. (a) Define Proteinuria.

    (b) Describe the different qualitative methods to detect proteinuria.

    (c) What is Bence Jones protein ? In which condition is it detected ?

5. (a) Name the causative agent of amoebic dysentery.

    (b) Describe with help of diagrams the life cycle of this parasite.

    (c) How is intestinal amoebiasis diagnosed in the lab ?

6. (a) Enlist three tape worms which cause disease in man.

    (b) Describe with the help of diagrams the life cycle of any ONE of them.

    (c) Discuss its laboratory diagnosis.

7. The CSF specimen of a patient has been received in the lab. Discuss the steps in its processing.