

APRIL 1995

SB 792

B.Sc. MEDICAL LABORATORY TECHNOLOGY)

SECOND YEAR

Paper III - Clinical Pathology &  
Basic Haematology

Time: Three hours                      Max. Marks: 100

Answer ALL Questions

1. Describe the composition of urine and discuss the changes in the urine in relation to various diseases.      (25)
  2. Classify leukemia; Describe the laboratory diagnostic tests for leukemia.                                      (25)
  3. Write short notes on:      (5 x 10 = 50)
    1. Haemoglobin
    2. Automation in haematology
    3. Stool examination for occult blood
    4. Semen analysis
    5. Quality control-Urine
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**NOVEMBER 1995**

**MB 877**

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

**SECOND YEAR**

**Paper-III Clinical Pathology and  
Basic Haematology**

**Time: Three hours                      Max.Marks: 100**

**Answer ALL Questions**

1. Write briefly about collection and preservation of urine for Examination. Write in detail the tests done for various reducing substances in urine. (25)
2. Classify Anaemia. What are the tests done to investigate a patient with anaemia. Describe the usefulness of P.C.V. (25)
3. Write short notes on: ( 5x10=50)
  - a) Blood parasites
  - b) C.S.F. analysis
  - c) Quality control in Haematology Laboratory
  - d) Reticulocyte Count
  - e) Platelet Count

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APRIL 1996

( AK 877 )

B.Sc. (MEDICAL LABORATORY TECHNOLOGY)

SECOND YEAR

PAPER III - CLINICAL PATHOLOGY AND  
BASIC HAEMATOLOGY

Time: Three hours                      Max: 100 marks

Answer ALL Questions

1. Discuss on the various abnormal chemical constituents of urine and the tests to detect them. Write briefly the clinical importance of the abnormal constituents of urine. (25)
2. Write briefly about normal and abnormal haemoglobins. What are the diagnostic tests in haemolytic anaemia. (25)
3. Write short notes on: (5x10 =50)
  - a) L.E. Cell preparation.
  - b) Semen analysis.
  - c) Cerebrospinal fluid.
  - d) Tests in multiple myeloma.
  - e) Differential W.B.C. count.

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( PK 877 )

OCTOBER 1996

B.Sc. ( MEDICAL LABORATORY TECHNOLOGY )  
DEGREE EXAMINATION

SECOND YEAR

PAPER III - CLINICAL PATHOLOGY AND  
BASIC HAEMATOLOGY

Time: Three hours

Max: 100 marks

Answer ALL Questions

1. Classify anaemia. Describe the various laboratory diagnostic tests used for anaemia. (25)
2. Describe normal and abnormal white blood cells. How will you classify leukemia and discuss the relevant laboratory diagnostic methods. (25)
3. Write short notes on: (5x10=50)
  - a) Quality control in haematology.
  - b) E.S.R.
  - c) Bone marrow smears.
  - d) Dip sticks in Urine analysis.
  - e) Stool Examination for occult blood.

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(MP 877)

APRIL 1997

B.Sc. (MEDICAL LABORATORY TECHNOLOGY)  
DEGREE EXAMINATION

SECOND YEAR

Paper-III CLINICAL PATHOLOGY AND  
BASIC HAEMATOLOGY

Time: Three Hours

Max:100 marks

Answer ALL Questions

1. Write in detail about the theory of Leishman staining. Describe the method of staining a blood smear. (25)
2. Write the differences between exudates and transudates. How will you proceed to examine a specimen of cerebrospinal fluid, and discuss the importance of its analysis in clinical pathology. (25)
3. Write short notes on: (5x10=50)
  - a) P.C.V.
  - b) Automated cell counter
  - c) Bence Jones' proteins
  - d) Bone marrow findings in aplastic anaemia
  - e) Physical examination of urine.

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APRIL 1998

(SV 877)

B.Sc. (MEDICAL LABORATORY TECHNOLOGY)  
DEGREE EXAMINATION  
SECOND YEAR

Paper-III CLINICAL PATHOLOGY AND  
BASIC HAEMATOLOGY

Time: Three Hours

Max: 100 Marks

Answer ALL Questions

1. Classify Leukaemias. Discuss the Laboratory Diagnosis. (25)
2. Discuss the Urine examination in the laboratory and their findings in various diseases. (25)
3. Write short notes on: (5x10=50)
  - a) Reporting a blood smear
  - b) C.S.F. Findings in disease
  - c) Absolute Eosinophil Count.
  - d) Stool test for occult blood
  - e) Bone Marrow findings in Megaloblastic anaemia.

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**APRIL 1999**

**[SG 877]**

**Sub. Code : 5018**

**B.Sc. (Medical Laboratory Technology) DEGREE  
EXAMINATION.**

**Second Year**

**Paper III — CLINICAL PATHOLOGY AND BASIC  
HAEMATOLOGY**

**Time : Three hours**

**Maximum : 100 marks**

1. Classify Anaemias. Discuss the Laboratory Diagnosis. *4) Anaemias* (25)
  2. Write in detail the semen analysis with suitable diagrams. (25)
  3. Write short notes on : (5 × 10 = 50)
    - (a) Differential count.
    - (b) L.E. Cell preparation.
    - (c) Collection and preservation of urine.
    - (d) Various methods of Haemoglobin estimation.
    - (e) Parasitological examination of motion.
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**APRIL 2000**

**[KB 877]**

**Sub. Code : 5018**

**B.Sc. (MEDICAL LABORATORY TECHNOLOGY)  
DEGREE EXAMINATION.**

**Second Year**

**Paper III — CLINICAL PATHOLOGY AND BASIC  
HAEMATOLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Define Quality control. How do you observe quality control in a Haematology laboratory? (25)
  2. What is the importance of Microscopic Examination of urine? (With illustrative diagrams) (25)
  3. Write short notes on : (5 × 10 = 50)
    - (a) Tests to diagnose sickle cell anaemia
    - (b) Non parasitological examination of stool including occult blood
    - (c) Reticulocyte count
    - (d) Osmotic fragility test
    - (e) C.S.F. cell count.
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