

APRIL 1995

SB 790

B.Sc., (MEDICAL LABORATORY TECHNOLOGY)

SECOND YEAR

Paper I - Histopathology & Cytology
Techniques.

Time: Three hours Max.marks: 100

Answer ALL Questions

1. What is the aim of fixation? Write on fixatives and fixation. (25)
 2. Describe PAP staining and identification of cells in a normal vaginal smear. (25)
 3. Write short notes on: (5 x 10 = 50)
 - a. Sharpening of knife
 - b. H & E staining
 - c. Frozen section
 - d. Stains for AFB
 - e. Tissue processing
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NOVEMBER 1995

MB 875

B.Sc. (MEDICAL LABORATORY TECHNOLOGY)

SECOND YEAR

Paper-I Histopathology & Cytology Techniques

Time: Three hours

Max.Marks: 100

Answer ALL Questions

1. Name the different types of Microtomes.
Discuss the advantages and disadvantages of each. Briefly mention the different types of knives. (25)
2. Write in detail about 'fixation of smear' and different types of staining of smears.
Discuss Papanicolou method of staining. (25)
3. Write short notes on: (5x10=50)
 - a) Frozen section
 - b) Automatic knife Sharpner
 - c) Mounting Media
 - d) Histokinette
 - e) Decalcification

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APRIL 1996

(AK 875)

B.Sc. (MEDICAL LABORATORY TECHNOLOGY)

SECOND YEAR

Paper-I Histopathology & Cytology Techniques

Time: Three hours

Max:100 marks

Answer ALL Questions

1. Write in detail about ' fixation of smear' and different types of staining of smears. Discuss the method of staining for Acid Fast Bacilli. (25)
2. Describe in detail the preparation, fixation, staining and screening of (25) Fine Needle Aspiration Cytology smears.
3. Write short notes on: (5x10=50)
 - a) Microtome knives
 - b) Mordants
 - c) Errors in section cutting
 - d) Haemotoxylin
 - e) Principles of exfoliative cytology

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SV 875

APRIL 1998

B.Sc. (MEDICAL LABORATORY TECHNOLOGY)
DEGREE EXAMINATION

Second Year

Paper-I HISTOPATHOLOGY AND CYTOLOGY TECHNIQUES

Time: Three Hours

Max: 100 Marks

Answer ALL Questions

1. Enumerate the embedding media.
Write in detail the common embedding media used, with its advantages and disadvantages. (25)
2. What are the principles of Exfoliative Cytology? How do you do pap stain? (25)
3. Write short notes on: (5x10=50)
 - a) Microtome Knives.
 - b) Examination of Ascitic Fluid.
 - c) FNAC
 - d) Fixation of a Cytology Smear.
 - e) H & E Staining - Theory

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APRIL 1999

[SG 875]

Sub. Code : 5016

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

Second Year

Paper I — HISTOPATHOLOGY AND CYTOLOGY
TECHNIQUES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe in detail the routine histopathological processing (automatic tissue processing). What is meant by Rapid tissue processing? (25)
2. Enumerate the various staining methods used in the laboratory. Write in detail about H & E staining. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Reception of specimens.
 - (b) Different types of microtome knives.
 - (c) Solutions and stains used in ~~par~~ Papani coulan's stain.
 - (d) Preservation of blocks.
 - (e) Frozen sections.

APRIL 2000

[KB 875]

Sub. Code : 5016

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

Second Year

**Paper I — HISTOPATHOLOGY AND CYTOLOGY
TECHNIQUES**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. What is fixation of tissues? Discuss the various fixatives commonly used. Add a note on decalcification of bone and calcified tissues. (25)
 2. What is Cytology? What are the stains that can be used in cytology? Discuss the methods of preparation and fixation of smears for cytological study. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) H & E staining
 - (b) Sharpening of microtome knives
 - (c) Rotary microtome
 - (d) Frozen section
 - (e) MGG staining.
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