

Enrollment No: _____ Exam Seat No: _____

C. U. SHAH UNIVERSITY

Summer Examination-2022

Subject Name : Histopathology Techniques and Cytology-Theory

Subject Code : 3SC02HTC1

Branch: PGDMLT

Semester : 2

Date : 06/07/2022

Time : 11:00 To 02:00

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1 Attempt the following questions: (14)

- | | | |
|----|---|---|
| a) | Two uses of reticulin stain in histopathology | 1 |
| b) | Write down two aim of fixation | 1 |
| c) | Name two clearing agent. | 1 |
| d) | Enumerate types of microtome | 1 |
| e) | What is frozen section? | 1 |
| f) | Name two dehydrating agent used in histopathology | 1 |
| g) | Write name and contents of specimen mounting solution | 1 |
| h) | Full form of PAS staining and two uses of it. | 1 |
| i) | Full form of IHC and two uses of it | 1 |
| j) | Name two slide mounting media | 1 |
| k) | Write down full form of DPX | 1 |
| l) | What is melting temperature of paraffin wax? | 1 |
| m) | Write down two uses of FNAC | 1 |
| n) | Use of xyline in tissue processing | 1 |

Attempt any four questions from Q-2 to Q-8

Q-2 Attempt all questions (14)

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|---|--|---|
| a | Write about various uses of Microtomes in histopathology | 7 |
| b | Sample receiving in Histopathology Laboratory-Discuss. | 7 |

Q-3 Explain the following questions (14)

- | | | |
|---|------------------|---|
| a | PAP staining | 5 |
| b | Tissue fixatives | 5 |



	c	Uses of water bath in histopathology.	4
Q-4		Attempt all questions	(14)
	a	Methods of decalcification	5
	b	Embedding methods in Histopathology-Write a note.	5
	c	Write differences between Hot air oven & Incubator (2 + 2)	4
Q-5		Attempt all questions	(14)
	a	Quality control in histopathology-Discuss.	7
	b	Write short note on principle & types of centrifuge.	7
Q-6		Attempt all questions	(14)
	a	Write about tissue processing in detail	7
	b	Definition and uses of Immunohistochemistry in Histopathology	7
Q-7		Attempt all questions	(14)
	a	Write about basic museum techniques	7
	b	Write in detail about hospital waste management in histopathology.	7
Q-8		Attempt all questions	(14)
	a	Autoclave-Explain	5
	b	Write about Horning and Stropping method	5
	c	Discuss Automation in cytology	4

