

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name : Histopathology Techniques and Cytology

Subject Code : 2SC02HTCI

Branch: PGDMLT

Semester : 2

Date : 06/05/2017

Time : 02:00 To 05:00

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) Give names of two clearing agents used for tissue processing	1
	b) Write name of special stain used in histology.	1
	c) Give name of adhesive agents used for tissue processing	1
	d) Write names & Contents of specimen mounting solution	1
	e) Write names of various types of microtome knives	1
	f) Define tissue processing	1
	g) Write name of four different types of haematoxyline stain	1
	h) Write names of two different cytological methods	1
	i) Enumerate name of two cytological stain	1
	j) Which bags are used for waste management in histopathology laboratory	1
	k) Mention uses of oven in histopathology laboratory	1
	l) Mention uses of hot plate in histopathology laboratory	1
	m) Write names of two solutions used for decalcification	1
	n) Mention uses of tissue water bath in histopathology laboratory	1

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

Q-2	Attempt all questions	(14)
	a) Describe quality control of histopathology laboratory	7
	b) Describe waste management of histopathology laboratory	7
Q-3	Attempt all questions	(14)
	a) Enumerate various steps of tissue processing	8
	b) Give details of decalcification procedure for bony tissue	6
Q-4	Attempt all questions	(14)
	a) Describe methods of fine needle aspiration cytology	6
	b) Write the procedure of pap stain used for cytology	4
	c) Write the procedure of giemsa stain used for cytology	4



Q-5	Attempt all questions	(14)
a	Give details about automation in cytology	7
b	Describe types,uses and principle of centrifuge	7
Q-6	Attempt all questions	(14)
a	Define and describe steps used for honing of knife	7
b	Define and describe steps used for stropping of knife	7
Q-7	Attempt all questions	(14)
a	Enumerate the procedure of mounting solution (kesserling I) used for specimen in museum	8
b	Write the contents of kesserling II & III solution	6
Q-8	Attempt all questions	(14)
a	Describe various microtomes and their specific use	10
b	Describe methods of embedding in tissue processing.	4

