Enrollment No:	Exam Seat No:

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name : Medical Laboratory Techniques

Subject Code : 4SC05MLT1 Branch: B.Sc. (Microbiology)

Semester: 5 Date: 05/12/2018 Time: 10:30 To 01:30 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.

Q-1		Attempt the following questions:	(14)
	a)	discovered Blood Grouping method.	(1)
	b)	Give names of types of WBCs.	(1)
	c)	What is NABH?	(1)
	d)	QC stands for?	(1)
	e)	State principle of Autoclave.	(1)
	f)	Define: Hemogram.	(1)
	g)	NABL stands for?	(1)
	h)	IHC is an Staining method used for diagnosis. True/False.	(1)
	i)	State uses of Electrophoresis.	(1)
	j)	What is principle of Spectrophotometer.	(1)
	k)	Centrifuge is used for separation of blood Constituents. True/False.	(1)
	l)	What is full form of EtBr.	(1)
	m)	Erythropoiesis is part of hematopoiesis. True/False.	(1)
	n)	What is composition of Blood?	(1)
Atten	npt any f	our questions from Q-2 to Q-8	
Q-2		Attempt all questions	(14)
	a)	Write about principle and working of Autoclave.	(7)
	b)	Write a short note on Anemia.	(7)
Q-3		Attempt all questions	(14)
	a)	What is Leukemia? Write about its types.	(7)
	b)	Write in brief about Hematopoiesis.	(7)
Q-4		Attempt all questions	(14)
	a)	What is Immunohistochemistry? Write about overall procedure and steps.	(7)



	b)	Give details about routine hematological test – CBC and Hemogram.	(7)
Q-5		Attempt all questions	(14)
		Write in detail about composition of Blood and Blood grouping system.	(14)
Q-6		Attempt all questions	(14)
		Write in brief about Quality Management and different methods.	(14)
Q-7		Attempt all questions	(14)
	a)	State principle and working of Hot Air Oven in detail.	(7)
	b)	Write about Laboratory Safety and Management.	(7)
Q-8		Attempt all questions	(14)
	a)	What is Waste Management? Explain in detail.	(7)
	b)	Write a note on Thalassemia.	(7)

