C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name : Scope and applications of Microbiology

Subject Code: 4SC01SAM1 Branch: B.Sc. (Microbiology)

Semester: 1 Date: 30/03/2019 Time: 02:30 To 05:30 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)	Give example of symbiosis type of association.	(1)
	b)	AIDS means	(1)
	c)	Give name of scientist who is known as Father of Vaccinology?	(1)
	d)	Define : Parasitology	(1)
	e)	What is example of dry heat sterilization?	(1)
	f)	Define : Parasitism.	(1)
	g)	Full form of TEM is	(1)
	h)	Define : Decomposition.	(1)
	i)	Cancer is zoonotic disease. True/false	(1)
	j)	is known as father of Chemotherapy.	(1)
	k)	Define : Numerical Aperture	(1)
	1)	What is Resolution?	(1)
	m)	Spleen is part of immune system. True/false	(1)
	n)	Define : Immune system	(1)
Atten	npt any f	Cour questions from Q-2 to Q-8	
Q-2		Brief note on -	(14)
~ –	a)	Contribution of Scientists of Golden Era.	(7)
	b)	Phase contrast Microscope.	(7)
Q-3		Attempt all questions	(14)
	a)	Brief account on contribution of Scientists of Modern Era	(7)
	b)	Discuss functions of different parts of Compound Microscope with labeled Figure.	(7)
Q-4		Attempt all questions	(14)
ζ.	a)	Explain positive type of associations with examples.	(7)
	b)	Write a short note on Bacterial Diseases.	(7)



Q-5		Attempt all questions	(14)
	a)	Differentiate between SEM and TEM.	(7)
	b)	Write a note on Immune response.	(7)
Q-6		Attempt all questions	(14)
	a)	Discuss role of Microbes as Bio control agents.	(7)
	b)	Enlist applications of Phase Contrast and Fluorescence Microscope.	(7)
Q-7		Attempt all questions	(14)
	a)	Explain Negative type of associations with examples.	(7)
	b)	What is Innate Immunity? Explain in brief.	(7)
Q-8		Short note on -	(14)
-	a)	Protozoal Diseases.	(7)
	b)	Electron Microscope and its applications.	(7)

