RAMAKRISHNA MISSION VIDYAMANDIRA

(Residential Autonomous College affiliated to University of Calcutta)

FIRST YEAR [2016-19] B.A./B.Sc. FIRST SEMESTER (July – December) 2016 Mid-Semester Examination, September 2016

Date : 10/09/2016 MICROBIOLOGY (Honours)											
	: 10/09/2018 : 11 am – 1 pm					er:l	10013			Full Mar	rks : 50
1	a) How did Pasb) Write two exc) What is Tyn	ceptions o	of Koch's	0		preexist	ing one?				[3] [2] [2]
1	a) What is a spb) Why are thec) Name a tetra	capsulated	l bacteria			nic?					[2+2] [2] [1]
	of protein.	the followi chitecture? of SDS on of cystin	ing agent	ts and/o erformi	or proced	lures inte	erfere wit	h or disru	quaternary st		[3]
1	a) What are pointb) What is the originalc) What is "but	lyprotic aci	ids? Exp on of HN	lain wi	th proper	-		3.4?			[2] [2] [1]
1	b) What are Le	A chromogen cannot act as a Dye —Justify. What are Leucocompounds of a stain or dye? Give examples. How would you stain an Acid fast bacteria?									
	 a) Give an example of non chiral stereogenic molecule. b) Give an example of a pair of diastereomer. c) What are the drawbacks of D/L nomenclature? d) Show the R/S nomenclature of meso tartaric acid, riboric acid and glucaric acid. e) What is dihedral angle? f) Define Centre of Symmetry with example. 										[1] [1] [2] [3] [1] [2]
7.	Calculate the mean or median from the following data.										
	Class interval	10-19 2	20-29	30-39	40-49	50-59	60-69	70-79			

_____ X _____

4

4

2

13

5

Frequency

19

10