F.Y.B.Sc. SEM – I (CBCS 2018 COURSE): WINTER - 2018 SUBJECT: MICROBIOLOGY: INTRODUCTION TO MICROBIOLOGY

Day: Date:	Frie 12/	day 10/2018	W-2018-0667	Time: 11.00 A.M TO 02.00 PM Max. Marks: 60	М
N. B.	1) 2) 3)	All questions are CO Figures to the right in Draw well labelled d	ndicate FULL mark		
Q.1	a) b) c)	Attempt ANY TWO of Describe the structure of Differentiate between Godescribe the principle, where the principle, where the principle is the principle.	f DNA with well la rams staining and	-	(12)
Q.2	a) b) c)	Add a note on metachro Describe the structure a	nd procedure for st mism. nd function of ATF	eaining of metachromatic granules. 2. egative staining methods.	(12)
Q.3	a) b) c)	Attempt ANY TWO of Comment on – "Microb Describe the structure o Differentiate between electron microscope.	es and Human Disc f Proteins.	eases". ctron microscope and Scanning	(12)
Q.4	a) b) c) d)	Write short notes on AN Structure and functions Contribution of Antony Capsule staining. Disaccharides.	of Flagella.	-	(12)
Q.5	a)b)c)d)e)f)	Attempt ANY FOUR of Define the terms – Bioto Comment on – "The Go What is the principle of What are ionic bonds? Describe the types of lip Write a note on – 'The form	echnology, Chemot lden Era of Microb Dark field microsc pids.	tope?	(12)