MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BUTARD DEPINE SEMESTER END EXAMINATION

B.Sc. (Hons.) Horticulture

Semes		Term : II Academic Year : 2017-18	
Course Credit		Title : Introductory Microbiology	
Day &	()	The same of the sa	
Note: 1. Solve ANY EIGHT questions from SECTION "A". 2. All questions from SECTION "B" are compulsory.			
3. All questions carry equal marks.			
Draw neat diagrams wherever necessary.			
SECTION "A"			
Q.1	Define microbiology and explain it's scope and importance in agriculture and animal husbandry and dairy technology.		
Q.2	2 Differentiate between prokaryotes and eukaryotes.		
Q.3 What do you mean by bacterial growth? Explain growth phases in bacteria with growth			
	curve.		
Q.4	Define fungus. Give the important characteristics of fungi.		
Q.5	Enlist internal and external structures of bacterial cell and write the functions of capsule and flagella.		
Q.6	Define morphology. Explain cell groupings in Coccus and Bacillus bacteria.		
Q.7	Write short notes (Any Two).		
	a) Phytonematodes b) Acti	nomycetes · c) Phytoplasmas (Mycoplasma)	
Q.8	Enlist methods of reproduction in bacteria and explain in detail binary fission.		
Q.9			
Q.10			
SECTION "B"			
Q.11 Fill in the blanks.			
	Prokaryotic cell contains	type of ribosomes.	
	2) Group of hyphae is known as		
	3) The example of cell wall-less pr	okaryotic microorganism is	
	4) In leguminous plants nitrogen is fixed symbiotically by		
Q.12			
"A" "B"			
	1) Anton Van Leeuwenhoek	a) Pasteurization	
	2) Louis Pasteur	b) Cell theory	
	3) Robert Hook	c) Origin of species	
	4) Charls Darwin	d) Simple microscope	
