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Code No. 1131/CBCS

FACULTY OF PHARMACY

B. Pharmacy III-Semester (CBCS) (Main) Examination, January 2018

Subject: Pharmaceutical Microbiology

Ti	me	: 3 Hours Max. Marks: 70	
No	ote	: Answer all questions. All questions carry equal marks.	
1.	a.	Explain in detail about external parts of bacteria with neat labeled diagram	8
	b.	What are protoplasts and spheroplasts?	6
	a.	Explain direct microscopic and electronic enumeration of bacteria.	8
	b.	Explain maintenance of pure culture by Lyophilization.	6
02.	a.	Write in detail about conjugation and transduction. OR	14
	b.	Explain in detail about lytic and lysogenic cycle in bacteriophages.	14
8.	a.	Explain control of microorganisms by chemical agents. OR	14
	b.	What are sterilization indicators? Explain Various types in detail.	14
4	a.	Explain about primary/non specific first line defense mechanisms. OR	14
	b.	Explain the role of T Helper cells in defense mechanism.	14
₽.	a.	Write in detail about causative organism, Mode of transmission, pathogenesis, symptoms, diagnosis, treatment, prevention and control of malaria. OR	14
	b	Write in detail about microbiology of milk	14
