

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of Medical and Allied Sciences Summer Term Examination – July - August 2024 [Programme: B.Pharm] [Semester: II] [Batch:Summer 2023-24]				
Course Title: Pharmaceutical Microbiology Course Code: BP303T/BPHT3003		Max Marks: 100 Time: 3 Hrs.		
Instructions:	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	COs	Marks
SECTION-A (15 Marks)		5 Marks each		
1.	Explain the significance of microbiology in the pharmaceutical field.	K2	CO1	5
2.	Describe the procedure for Gram staining.	K2	CO2	5
3.	Discuss the principle and procedure of acid-fast staining.	K2	CO2	5
SECTION-B (40 Marks)		10 Marks each		
4.	Describe the ultra-structure of a typical bacterium.	K2	CO1	10
5.	Describe What are the merits and demerits of chemical sterilization?	K3	CO2	10
6.	Outline How are viruses classified and replicated?	K4	CO3	10
7.	Describe the sources and types of microbial contaminants.	K3	CO4	10
SECTION-C (45 Marks)		15 Marks each		
8.	Describe What is the design and purpose of an aseptic area in microbiology?	K4	CO3	15
9.	Describe the significance of the viable count method in microbiology.	K5	CO4	15
10	Explain the differences between established and transformed cell cultures.	K5	CO5	15

Template 1