M.Sc. (Microbiology) (CBCS Pattern) Semester - II **PSMBT-108R - Paper-IV : Microbiological Testing of Industrial Products**

P. Pages:		Max. Marks : 80	
1.	Discuss in detail methods of quality assessment of mineral water?	16	ĺ
	OR		
	Write a note on:		
	a) Discuss procedure and principle of COD and BOD in details.	8	į
	b) Explain in details IMViC test.	8	}
2.	Explain in details instrumentation, principles and mode of action of light puls	se technology. 16	ĺ
	OR		
	Write a note on:	0	
	a) Conventional and automated method of food analysis.	8	•
	b) Risk assessment in food industry.	8	}
3.	Discuss in details Gel dot assay and turbidimetric assay of endotoxin testing.	16	,
	OR		
	Write a note on:		
	a) Flow cytometry.	8	}
	b) Pyrogen test	8	}
4.	Discuss in details preservation of pharmaceutical products.	16	ĺ
	OR		
	Write a note on:		
	a) Antimicrobial effectiveness testing.	8	;
	b) Microbial risk assessment through HACCP plan.	8	}
5.	Write a note on:		
	a) Dissolved oxygen	4	ļ
	b) Limitation of light pulse treatment	4	ı
	c) Significance of Barcode	4	ļ
	d) Biological indicators of sterility assurance.	4	ŀ
