USM.

GBGS SCHEME

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(10 Marks)

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Fourth Semester B.E. Degree Examination, June/July 2023				
Manufacturing Process - II				
Tin	ne: 3	3 hrs. Max. Ma	rks: 100	
Note: Answer any FIVE full questions, choosing ONE full question from each module.				
124		Module-1		
1	a.		(10 Marks)	
	b.	With suitable figure explain the various types of tool wear.	(10 Marks)	
		OR		
2	a.	Explain in detail the properties of cutting fluids.	(10 Marks)	
	b.	With a neat sketch discuss the neat generation in metal cutting.	(10 Marks)	
Module-2				
3	a.	With relevant sketch. Explain the constructional features of Capstan and Turret Lat	he.	
			(10 Marks)	
	b.	Discuss in detail the Classification of Lathe.	(10 Marks)	
		OR		
4	a.	Discuss with neat sketch the Construction and working shaping machine.	(10 Marks)	
	b.	Classify the planning machine. Discuss any 2 with suitable figure.	(10 Marks)	
		Module-3		
5	a.		(10 Marks)	
	b.		(10 Marks)	
6	0	OR Discuss with neat sketch the Constructional features of Centre – less grinding machine.		
U	a.		(10 Marks)	
	b.		(10 Marks)	
		Module-4		
7	a.	With a suitable figure, Discuss the Constructional features of Radial drilling machin		
	b.		(10 Marks) (10 Marks)	
			(10 marks)	
0		OR	(10 % / L)	
8	a. b.	Explain in detail the various methods of lapping with relevant sketch. Discuss the Constructional features of honing machine with suitable figure. Als	(10 Marks)	
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9	0	Module-5 With suitable figure discuss the construction and working of Laser Beam Machinin	~	
9	a.		g. (10 Marks)	
	b.	Discuss the construction and working of water jet machining. Also list the application		
			(10 Marks)	
OR				
10	a.	Explain the construction and working of Ultrasonic machining. List the application	cations of	

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Explain the construction and working of Electro Chemical Machining.