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BE - SEMESTER–VI(NEW) – EXAMINATION – SUMMER 2019 Subject Code:2162507 Date:18/05/2			
•		ne:Allied Manufacturing Technique	
Time:10:30 AM TO 01:00 PM Total Mark			ırks: 70
11struction 1.		empt all questions.	
1. 2.			
3.		ures to the right indicate full marks.	
	0		MARKS
Q.1	(a)	List some tool holding devices used in capstan turret lathes.	03
<b>X</b>	(b)	Differentiate between an automatic and a semi-automatic lathe.	04
	(c)	Classify the non-traditional machining processes.	07
	(0)		01
Q.2	(a)	Name various work holding devices used in capstan turret lathes.	03
	<b>(b)</b>	Discuss some of the applications of capstan and turret lathes.	04
	(c)	Describe various types of multi-spindle automatics.	07
		OR	
	(c)	Describe various rules which must be followed while laying out	07
		the sequence of operations on a turret lathe.	
Q.3	<b>(a)</b>	List the advantages of thread rolling process.	03
	<b>(b)</b>	Mention the characteristics of thread milling.	04
	(c)	Discuss the thread chasing process of cutting threads.	07
0.1	( )	OR	0.2
Q.3	(a)	Write a brief note on tapping of threads.	03
	(b)	Discuss the casting method for producing threads.	04
	(c)	Describe the thread grinding process in detail.	07
Q.4	(a)	Write a brief note on gear materials.	03
Q.4	(a) (b)	Distinguish between forming and generating.	03 04
	(D) (C)	Explain in detail the method of cutting gears by milling.	07
	(C)	OR	07
Q.4	(a)	Write a short note on gear finishing processes.	03
	(b)	List the advantages and disadvantages of casting gears.	04
	(c)	Discuss the 'Roll forming' method of gear manufacturing with its	07
		advantages.	
Q.5	<b>(a)</b>	List some of the common abrasive powders used in USM.	03
	<b>(b)</b>	Describe the principle of Abrasive Jet Machining (AJM).	04
	(c)	Explain working of ECM with process parameters in detail.	07
		OR	
Q.5	<b>(a)</b>	Name die-electric fluids used in EDM and mention its function.	03
	<b>(b)</b>	Differentiate LBM and EBM.	04
	(c)	Explain working principle of PAM with process parameters in detail.	07

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