Seat No.:	Enrolment No.

		BE - SEMESTER-IV (NEW) EXAMINATION - SUMMER 2021	
Subj	ect (· · · · · · · · · · · · · · · · · · ·	/09/2021
Subj	ect l	Name:Manufacturing Processes	
•		9	larks: 70
Instru			
		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
		Figures to the right indicate full marks.	
	4.	Simple and non-programmable scientific calculators are allowed.	MARKS
0.4			
Q.1	(a)		03
	(b)	Write with help of fig. any two methods of tapper turning into lathe machine.	04
	(c)	Explain about crank and slotted link quick return mechanism in shaper machine.	07
Q.2	(a)	Explain knurling operation in lathe machine.	03
	(b)	Describe how lathe machine tool specified?	04
	(c)	Draw schematic fig for Lathe machine and describe it components. OR	07
	(c)	Draw single point cutting tool and explain tool signature as per ASA.	07
Q.3	(a)		03
	(b)	Explain horizontal boring machine with neat sketch.	04
	(c)	Draw and explain nomenclature of drill bit. OR	07
Q.3	(a)		03
	(b)	Write with help of fig counter sinking and counter boring operation.	04
	(c)	Explain tapping attachment in drilling machine.	07
Q.4	(a)	1 0 01	03
	(b)	•	04
	(c)	Explain about crank and slotted link quick return mechanism in shaper	07
		machine.	
0.4	(0)	OR Evaloin Cong milling and Form milling Operations	02
Q.4	(a) (b)		03 04
	(c)	With the help of figure explain 'Hydraulic' shaper mechanism.	07
Q.5	(a)	Write advantages and limitations of broaching.	03
	(b)		04
	(c)	Explain Indian standard marking system for grinding wheels. OR	07
Q.5	(a)		03
Q.C	(b)	_	04
	(c)	Explain any one Alignment test of Lathe machine with neat sketch.	07
