Total No.	of Questions : 4] SEAT No. :	
PC5	[Total No. of Pa	ges:
T.]	E. (Mechanical Engineering) (Automobile Engg.) (Insem)	
	ADVANCED FORMING AND JOINING PROCESSES	
	(2019 Pattern) (Semester - I) (Elective - I) (302045 A)	No.
Time : 1 1		ks : 30
	ons to the candidates: All questions are compulsory. Solve Q.1 or Q.2, Q.3 or Q.4.	*
2)	Neat diagrams must be drawn wherever necessary.	
3)	Figures to the right indicate full marks.	
01)		r.
Q1) a)	Explain surface defects identification methods.	[5
b)	Explain with neat sketch, working of sheet metal working process	es.[5
c)	Explain in detail forming simulation process.	[5
,	ORO	
Q2) a)	With a schematic explain deep drawing operation.	[5
b)	Explain in the important factors on which formability of sheet	meta
	depends.	[5
c)	State the assumptions of plasticity theory.	[5
Q 3) a)	Explain the important features of electro hydraulic forming (EHF).	.[5
b)	With a schematic explain Stretch forming operation.	\$ ⁰ [5
c)	Explain with suitable diagram working of Electro Hydraulic For	rmin
	processes.	[5
0.0	OR OR	F
Q4) a)	Differentiate between conventional spinning & metal spinning.	[5
b)	Explain with suitable diagram the Magnetic Pulse forming process	. [5
c)	Explain in detail HERF (Explosive Forming) techniques.	[5
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	6.	
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