210		R	egistration No <sub>210</sub>	210	210		210	210	210
	0							B.Tech	
PME4I102 4 <sup>th</sup> Semester Regular / Back Examination 2018-19 BASIC MANUFACTURING PROCESS BRANCH : MECH									
210			210 210	Max	e : 3 Hours Marks : 100 DDE : F249		210	210	210
Answer Question No.1 (Part-1) which is compulsory, any EIGHT from Part-II and any TWO from Part-III.									тwo
The figures in the right hand margin indicate marks.									
210	Q1	a) b) c) d)	Only Short Answer Ty Why casting process is Write down the usefulne Write down the basic co Why investment casting	pe Questions (A preferred than of ess of Chill and C ncept of Direction is called "Lost V	ther processes? Chaplet? onal and Progres Vax Process'"?		210	210	(2 x 10) <sup>210</sup>
210		e) f) g) h) j)	Why flux is added in the Write down the advanta Write down the benefits Write the difference betw Write the sequence of o Write the basic difference	ges of Rightward of powder metal ween Blanking a perations in forg	d weld technique llurgy product. nd Punching op ing process.	eration.	210	210	210
210	Q2	a) b) d) e) f) g) h) j) k) l)	Only Focused-Short A Explain the basic steps Explain the thin film dep Explain briefly about exp Differences between co Draw the schematic dia types of gating systems What will be the solidifie aluminium if the mould of Draw the schematic dia Explain about Forward a Explain briefly various " Explain briefly various so Explain briefly about cer	required for man osition technique olosive forming v ld working and h agram of Mould cation time for a constant is 2.2 se gram of Cupola a and backward ex ry, recrystallisati Sheet Metal Op Idering process.	nufacture of parts es in brief (minir vith advantages ot working proce box (gating sys 1100 mm diam ec/mm <sup>2?</sup> and explain? ctrusion with the on and grain gro	s by pow mum 3 te , disadva esses. etem) and neter and ir applica	der meta chniques antages a d explain 1 33 mm	llurgy. ) <sub>210</sub> nd application. about different	<b>(6 x 8)</b> 210 210
210	Q3	a) b)	Only Long Answer Typ 2Discuss the requiremen Two solid work pieces ( height, have to be sand cylindrical work pieces v	t of riserand its a) sphere with r l cast. Both wor	type? 210 adius R, (b) a c k pieces have t	ylinder w he same	210 vith diame volume.		(8) 210 (8)
	Q4	a) b)	Describe Investment ca Discuss various types o						(10) (6)
210	Q5	a) b)	<sup>2</sup> Describe about Resistar Compare DCSP to DCF	• •	<b>ESSES.</b> 210		210	210	(10) 210 (6)
	Q6		Describe briefly about of forging with drop forging		forging hamme	ers and p	resses?	Compare press	(16)