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UNIT - V			
9 a.	Distinguish between Soldering, Brazing and Welding.	10	
b.	With neat sketches, explain the different types of flames used in gas welding and specify their	10	
	applications.		
10 a.	With simple labelled sketches, explain the different types of belt drives.	10	
b.	A prime mover running at 240 rpm drives a DC generator by a belt drive. The diameter of the		
	pulley on the output shaft of the prime mover is 160 cm and that of the generator shaft is 60 cm.		
	Determine the speed of the generator shaft in the following cases :		
	i) Neglecting thickness of belt		
	ii) Considering belt thickness, the thickness of belt is 6 mm		
	iii) Considering thickness of belt and slip of 3%	10	
	iv) Velocity of belt considering the belt thickness	10	

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