B.Tech. SEM -VII Mechanical 2014 Course (CBCS): SUMMER - 2019 SUBJECT- INDUSTRIAL FLUID POWER

Day: Date:	Tuesday 14/05/2019		S-2019-2837		Time: 02.30 PM TO 0 Max. Marks: 60	Time: 02.30 PM TO 05.30 PM Max. Marks: 60	
N.B.:	1) 2) 3) 4) 5)	Figures to Draw ne Use of n	at diagram WI	icate FULL mark HEREVER neces able calculator is	ssary.		
Q.1				in different prope on hydraulic fluid OR	erties of fluid. What is the effect of d?	(10)	
					c and fluid power system and list ems.	(10)	
Q.2		1000 rpm a i) Ove	nd 70 bars. If terall efficiency	the prime mover i	3.4 cm ³ . It delivers 0.00152m ³ /s at input torque is 124.3 N-m, find ate the pump.	(10)	
			_	- ·	nd explain pressure compensated p.	(10)	
Q.3				•	direction control and flow control live with neat sketch.	(10)	
					rol valves, direct operated and pilot the function of pressure reducing		
Q.4			<u> </u>		draulic actuators? Sketch a typical der continuously to and fro.	(10)	
					Praw a typical sequencing circuit	(10)	
Q.5					er transmission. Draw a neat sketch sed in pneumatic systems.	(10)	
			unit used in p		s.	(10)	
Q.6		Draw and a	ınalyze meter o	out flow control c	ircuit.	(10)	
		Draw and a	nalyze regene			(10)	

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