

7 a. Define an hydraulic actuators with neat block diagrams explain the concept of an hydraulic system.

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b.	What is a pressure control valve? How are they classified and explain with neat block diagram?	12
	PLV (Pressure limiting valve).	12
c.	What is check valve? Write its graphical symbol.	2
8 a.	What is signal conditioning? What are the general reasons for signal conditioning? Explain the	10
	process of signal conditioning.	10
b.	Write short notes on :	
	(i) Amplifier and its concept.	10
	(ii) Filters and high pass & low pass filters.	

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