Sanjay Ghodawat University, Kolhapur

2020-21

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

EXM/P/09/00

Year and Program: T.YB.TECH	**School Of Technology**	**Department: Mechanical Engineering**
Course Code: MET-304	**Course Title: INDUSTRIAL HYDRAULICS AND PNEUMATICS**	**Semester : VI**
Day and Date:20/7/21,Tuesday	**Re End Semester Examination**	**Time :** **Max Marks : 50**

Instructions: 1) All Questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Answer/Solve the following (any Two)**			
	a)	Explain advantages and disadvantages of hydraulic fluid power system	8	02	CO-304.1
	b)	Explain any two types of accumulators	8	02	CO-304.2
	c)	Explain any two types of actuators	8	02	CO-304.2
Q.2		**Answer/Solve the following (any two)**			
	a)	Explain regenerative circuit with neat sketch	8	02	CO-304.3
	b)	Construct Bleed-off circuit with neat sketch	8	03	CO-304.3
	c)	Construct Time delay circuit with neat sketch	8	03	CO-304.3
Q.3		**Answer/Solve the following (any two)**			
	a)	Explain hydraulic servo system with neat sketch	9	02	CO-304.4
	b)	List some causes of trouble and their effects in pneumatic system	9	01	CO-304.4
	c)	Explain safety precaution taken in hydraulics and pneumatics	9	02	CO-304.4