

CONTINUOUS INTERNAL EVALUATION - 2

Dept:ME

Sem / Div:1*

Sub: Elements of
Mechanical Engineering

SCode:18ME15

Date:6-03-21

Time: 3- 4.30pm

Max Marks: 50

Elective: N

Note: Answer any 2 full questions, choosing one full question from each part.

QN	Questions	Marks	RBT	CO's
PART A				
1 a	With a Neat sketch explain the working of Francis Turbine, Why draft tube is used in Francis turbine.	10	L2	CO2
b	With A neat sketch Explain the working of Reciprocating Pump. Mention its advantages and disadvantages.	9	L2	CO2
c	Explain the following Terms : I)Priming ii)Cavitation	6	L2	CO2
OR				
2 a	Define Pressure and Fusion Welding, With Neat sketch Explain the Electric Arc welding.	10	L2	CO3
b	Explain Oxy-Acetylene Gas welding with a neat sketch.	9	L2	CO3
c	Define Brazing, Compare Brazing and Welding	6	L2	CO3
PART B				
3 a	With a Neat sketch Explain Taper turning By Swiveling the compound tool rest method.	8	L2	CO5
b	Explain the specification of Lathe Machine with a neat sketch.	7	L2	CO5
c	Explain the Thread cutting and Facing operation on Lathe Machine with a neat sketch.	10	L2	CO5

OR

4 a	Differentiate between Up milling and Down Milling with a neat sketch.	13	L2
b	With a neat sketch Explain Plain Milling and Straddle milling	12	L2