

CONTINUOUS INTERNAL EVALUATION- 3

Dept: ME	Sem / Div: 2 A, B & C	Sub: Elements of Mechanical Engineering	S Code: 18ME25
Date: 25/09/2021	Time: 3:00 pm - 4:30 pm	Max Marks: 50	Elective: N
Note: Answer any 2 full questions, choosing one full question from each part.			

Q N	Questions	Marks	RBT	COs
PART A				
1 a	Sketch and explain the arc welding process.	10	L2	CO3
b	Sketch and explain the torch brazing process.	10	L2	CO3
c	Differentiate between soldering and brazing.	5	L2	CO3
OR				
2 a	Sketch and explain the MIG welding process.	10	L2	CO3
b	Briefly explain about the steps involved in soldering process.	10	L2	CO3
c	Differentiate between brazing and welding.	5	L2	CO3
OR				
3 a	Briefly explain about the composition and the applications of cast iron material.	9	L2	CO4
b	List out the properties and the applications of copper material.	8	L2	CO4
c	What is piezoelectric material? List out the applications of piezoelectric material.	8	L2	CO4
OR				
4 a	Briefly explain about the composition and the applications of tool steels.	9	L2	CO4
b	List out the properties and the applications of aluminium material.	8	L2	CO4
c	What is meant by shape memory alloys? List out the applications of shape memory alloys.	8	L2	CO4