Roll No.												

PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 09-10-2025 **Time:** 11.45am to 01.15pm

School: SOE	**Program:** B. Tech	
Course Code: MEC2022	**Course Name:** Production Technology	
Semester: III	**Max Marks**: 50	**Weightage**: 25%

CO - Levels	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**
Marks	**26**	**24**	**-**	**-**	**-**

Instructions:

(i) Read all questions carefully and answer accordingly.

(ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks. **5Q x 2M=10M**

1	How the manufacturing activity can be classified based on the quantity of product?	**2 Marks**	**L1**	**CO1**
2	List the commonly used pattern material	**2 Marks**	**L1**	**CO1**
3	List the different types of patterns commonly used	**2 Marks**	**L1**	**CO1**
4	List the various Soldering Joints	**2 Marks**	**L1**	**CO2**
5	List the various Welding Defects	**2 Marks**	**L1**	**CO2**

Part B

Answer the Questions. **Total Marks 40M**

6.	**a.**	Discuss the basic sequence of the operations required for making a casting	**10 Marks**	**L2**	**CO1**
		Or			
7.	**a.**	With the help of a sketch explain the various components of Gating System	**10 Marks**	**L2**	**CO1**

8.	**a.**	With the help of a sketch explain the Shell Moulding Process	**10 Marks**	**L2**	**CO1**
		Or			
9.	**a.**	With the help of a sketch explain the Cold chamber Die Casting Process	**10 Marks**	**L2**	**CO1**

10.	**a.**	List the difference between Soldering and Brazing	**10 Marks**	**L2**	**CO2**
		Or			
11.	**a.**	With the help of a sketch explain the MIG Welding process	**10 Marks**	**L2**	**CO2**

12.	**a.**	With the help of a sketch explain the Oxy-Acetylene Welding process	**10 Marks**	**L2**	**CO2**
		Or			
13.	**a.**	With the help of a sketch explain the Friction Welding process	**10 Marks**	**L2**	**CO2**