Roll No: | | | | | | | | | | | |

PRESIDENCY UNIVERSITY

GAIN MORE KNOWLEDGE
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Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 | Established under Section 2(f) of UGC Act, 1956
Approved by AICTE, New Delhi | Approved By BCI
Bengaluru

Mid Term Examinations - October 2026

Date: 07/10/2026 **Time:** 02:00 PM - 03:30 PM

Course Code: MEC3040 **Course Name:** Modern Manufacturing Processes

Semester: Fifth Semester **Max. Marks:** 50 **Weightage:** 50%

CO - Levels	CO1	CO2	CO3
Marks	10	40	40

PART A: Answer Following Questions. 10 M

Q.N.	Questions	M	CO	BT
1	List any two factors considered in the selection of a manufacturing process	2	CO1	BT1
2	What is Job Shop production?	2	CO1	BT1
3	State any two advantages of automation in manufacturing	2	CO1	BT1
4	List any two factors considered in the selection of a manufacturing process	2	CO1	BT1
5	List the types of automation	2	CO1	BT1

PARTB: Answer Any 1 Following Questions. 20 M

Q.N.	Questions	M	CO	BT
06.A	Explain the working principle of squeeze casting	10	CO3	BT2
06.B	Explain the principle of evaporative pattern casting	10	CO3	BT2
07.A	Explain the applications of ceramic shell casting	10	CO3	BT2
07.B	Describe the advantages of squeeze casting.	10	CO3	BT2

PARTC: Answer Any 1 Following Questions. 20 M

Q.N.	Questions	M	CO	BT
08.A	Explain the working principle of Abrasive Jet Machining (AJM)	10	CO2	BT2
08.B	Explain the working principle of Laser Beam Machining (LBM)	10	CO2	BT2
09.A	Explain the working principle of Electrical Discharge Machining	10	CO2	BT2
09.B	Explain the process of Water Jet Machining (WJM)	10	CO2	BT2