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PRESIDENCY UNIVERSITY

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Bengaluru

Mid Term Examinations - October 2026

Date: 06/10/2026 **Time:** 11:45 AM - 01:15 PM

Course Code: MEC2022 **Course Name:** Production Technology

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

CO - Levels	CO1	CO2	CO3
Marks	4	44	42

PART A: Answer Following Questions. 10 M

Q.N.	Questions	M	CO	BT
1	what is Casting?	2	CO1	BT1
2	What are the constituents (composition) of green sand used in moulding?	2	CO1	BT1
3	List the applications of welding in various industries.	2	CO2	BT1
4	What is Friction Stir Welding (FSW)?	2	CO2	BT1
5	Give examples of plastic deformation process.	2	CO3	BT1

PARTB: Answer Any 1 Following Questions. 20 M

Q.N.	Questions	M	CO	BT
06.A	Describe the principle of Shielded Metal Arc Welding (SMAW) process with a simple sketch and mention its applications.	10	CO2	BT2
06.B	Differentiate between welding, brazing and soldering.	10	CO2	BT2
07.A	With the help of a simple sketch, explain the working principle of the gas welding process and mention its applications.	10	CO2	BT2
07.B	Explain the friction welding process with its advantages and limitations.	10	CO2	BT2

PARTC: Answer Any 1 Following Questions. 20 M

Q.N.	Questions	M	CO	BT
08.A	Differentiate between hot working and cold working processes.	10	CO3	BT2
08.B	What are the various forging operations? Explain any five.	10	CO3	BT2
09.A	Explain three and four stand continous mill in rolling with simple sketch	10	CO3	BT2
09.B	With the help of a simple sketch, explain the tube drawing process using a floating mandrel and discuss its advantages.	10	CO3	BT2