



PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF ENGINEERING

SUMMER TERM / MAKE UP END TERM EXAMINATION

Semester: Summer Term 2019

Date: 23 July 2019

Course Code: ME A 206

Time: 3 Hours

Course Name: Production Techniques - I

Max Marks: 60

Program & Sem: B.Tech & IV Sem (2015 Batch)

Weightage: 30%

Instructions:

(i) **All the questions are compulsory**

Part A

Answer **all** the Questions. **Each** question carries **three** marks. (5Qx3M=15)

1. Write about the basic principle of working of EDM.
2. What are the different types of forging operations carried out through forming?
3. What are the basic components of NC systems?
4. What are the advantages of using "product layout" with reference to location of work station and equipment?
5. Name the different arrangement of rolls in roll mill?

Part B

Answer **all** the Questions. **Each** question carries **five** marks. (3Qx5M=15)

6. Write briefly about the forward extrusion process.
7. Write a brief note on the components of break-even analysis.
8. List some of the advantages of using NC systems.

Part C

Answer **all** the Questions. **Each** question carries **ten** marks. (3Qx10M=30)

9. Sketch and explain the working of PAM.
10. Describe the working principle of Water Jet Machining.
11. Explain with a neat diagram the cylindrical configuration of a robot.

