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**PRESIDENCY UNIVERSITY  
BENGALURU**

**SCHOOL OF ENGINEERING**

**SUMMER TERM / MAKE UP END TERM EXAMINATION**

**Semester:** Summer Term 2019

**Date:** 25 July 2019

**Course Code:** MEC 221

**Time:** 2 Hours

**Course Name:** Advanced Production Techniques

**Max Marks:** 80

**Program & Sem:** B,Tech (Mech) & IV Sem (2016 Batch)

**Weightage:** 40%

**Instructions:**

- (i) *The Question paper consists of 3 sections namely A,B and C*
- (ii) *Read Questions Carefully and Answer accordingly*
- (iii) *All Questions are compulsory*

**Part A**

Answer **all** questions. **Each** question carries **five** marks.

(4Qx5M=20M)

1. Differentiate between Hot Working and cold working.
2. Explain the Resistance seam welding with neat sketch.
3. Differentiate between welding and soldering.
4. What is Gas Tungsten Arc Welding. Explain with neat diagram.

**Part B**

Answer **all** the Questions. **Each** question carries **eight** marks.

(3Qx8M=24M)

5. Explain the following terms with neat diagram:

- i) Punching
- ii) Blanking
- iii) Slitting
- iv) Notching

6. Define forging and explain closed die forging.

7. Explain the defects in forging process.

**Part C**

Answer **all** the Questions. **Each** question carries **twelve** marks.

(3Qx12M=36M)

8. Explain the working of Electro Slag welding with Application and neat sketch
9. Explain Liquid dye penetration testing with suitable diagram.
10. Explain the Rolling Process for reduction of blank height with neat sketch.

