Roll No. _____

END SEMESTER EXAMINATION
SEMESTER-V (New/Old Course)

COURSE CODE : ME410 | **DURATION : 3 (THREE)HRS**
COURSE TITLE : MANUFACTURING PROCESS II | **MAXIMUM MARKS : 75**
SESSION : JULY-DEC'2021 | **PASS MARKS : 35 %**

NOTE:
1. *All the questions are compulsory*
2. *Attempt any 5 (five) questions.*
3. *Mark for each question is shown against it.*
4. *Assume suitable logical data wherever necessary.*

---

1. **(a)** What are the factors which influenced selection of manufacturing process? **(6)**
(b) Draw a neat layout gas welding torch and label its components ? **(5)**
(c) Distinguish between open die forging and closed die forging? **(4)**

2. **(a)** Explain with a sketch the metal arc welding and write its advantage and disadvantage? **(7)**
(b) Define gas welding and write down its process? **(4)**
(c) With the help of neat sketch draw the layout of gas welding ? **(4)**

3. **(a)** List out the equipment required for oxyacetylene welding and explain them? **(10)**
(b) List down the difference between soldering and brazing process? **(5)**

4. **(a)** Write short notes on brazing with its advantage and application? **(5)**
(b) Write down the safety precautions in gas and flame welding? **(6)**
(c) What do you mean by rolling process and classify its rolls? **(4)**

5. **(a)** Describe with a sketch the submerged arc welding process and writes its advantages? **(10)**
(b) Name three kinds of gas flame and show them by simple sketches? **(5)**

6. **(a)** Explain with a sketch the tungsten inert gas welding with its advantages? **(6)**
(b) Write short notes on carbon arc welding with the help of neat sketch? **(5)**
(c) Discuss different types of joints? **(4)**

7. **(a)** Explain Abrasive jet machine (AJM) with the help of neat sketch and write its application ? **(7)**
(b) With a neat sketch explain electro chemical machining? **(5)**
(c) Draw a layout of laser beam welding ? **(3)**

8. **(a)** Distinguish between hot and cold working process? **(5)**
(b) Explain water jet machine (WJM) with the help of neat sketch and write its advantage and disadvantage? **(10)**

xxxxxxxxxxxxxxxxxx