

# **Government College of Engineering, Amravati**

## **Mechanical Engineering Department**

### **Subject: Manufacturing Processes (MEU 404) CT – II**

*Time: 1 hr.*

*Max Marks 15*

*Date: 16/ 03/ 2018*

*04.30 pm*

**Solve any three of the following  
Each question carries equal marks**

1. Explain the principle of gas welding. Give a list of equipments required in general for gas welding
2. Compare the merits and demerits of using AC and DC for arc welding.
3. Explain TIG welding method and its specific application
4. Explain the principle of arc welding. Give a list of equipments required in general for electric arc welding
5. Define welding and why is it done? Describe with the help of suitable sketches various types of joints made in welding.

# Government College of Engineering, Amravati

## Mechanical Engineering Department

### Subject: Manufacturing Processes (MEU 404) CT – II

Time: 1 hr.

Date: 17/ 03/ 2017

Max Marks 15

04.30 pm

Solve any three of the following

Each question carries equal marks

1. Explain mechanical construction and working principle of direct and indirect arc electric furnace with neat sketch.
2. Step by step, describe the complete procedure of Investment casting? What are the main advantages and disadvantages of Investment Casting method?
3. Explain the principle of arc welding. Give a list of equipments required in general for electric arc welding
4. Compare the merits and demerits of using AC and DC for arc welding.
5. Explain MIG welding method and its specific application

**Government College of Engineering, Amravati**

Mechanical Engineering Department

**Subject: Manufacturing Processes (MEU 404) CT - II**

Time: 1 hr.

Max Marks 15

Date: 09/ 03/ 2016

04.30 pm

Solve any three of the following  
Each question carries equal marks

1. How direct extrusion differs from indirect extrusion? Discuss their relative merits and demerits.
2. What do you understand by Gas welding? What are the equipments required for oxy-acetylene welding and cutting
3. Explain the principle of arc welding. Give a list of equipments required in general for electric arc welding
4. Compare the merits and demerits of using AC and DC for arc welding.
5. Explain TIG welding method and its specific application



**Government College of Engineering, Amravati**

**Mechanical Engineering Department**

**Subject: Manufacturing Processes (MEU 404) CT - II**

*Time: 1 hr.*

*Max Marks 15*

*Date: 13/ 03/ 2015*

*04.30 pm*

**Solve any three of the following  
Each question carries equal marks**

1. Define welding and why is it done? Describe with the help of suitable sketches various types of joints made in welding.
2. Explain the principle of arc welding. Give a list of equipments required in general for electric arc welding
3. What do you understand by Gas welding? What are the equipments required for oxy-acetylene welding and cutting
4. Compare the merits and demerits of using AC and DC for arc welding.
5. Explain TIG welding method and its specific application

**Government College of Engineering, Amravati**

**Mechanical Engineering Department**

**Subject: Manufacturing Processes (MEU 404) CT - II**

Time: 1 hr.

Max Marks 15

Date: 04/ 03/ 2014

04.30 pm

Solve any three of the following  
Each question carries equal marks

1. Make a neat cross-sectional sketch of a Cupola and describe its different zones and their functions.
2. Sketch and explain the construction and operation of hot and cold chamber die casting machine.
3. Explain mechanical construction and working principle of High Frequency Induction furnace with neat sketch.
4. With the help of neat diagram describe the process of true centrifugal casting? How the centrifugal casting methods are classified?
5. Step by step, describe the complete procedure of Investment casting? What are the main advantages and disadvantages of Investment Casting method?