

2112E012

DIPLOMA OF VOCATION
Mechanical Manufacturing
Subject: Fabrication Processes
Subject Code: ME-507
Semester: Fifth
December 2021
Theory (External): 35 Marks
Time: 03 Hours

Instructions to the Students

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 1 mark.
3. Section B comprises 8 essay-type questions out of which students need to do any 5. Each question carries 5 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labeled

Roll Number									

SECTION –A (SHORT OBJECTIVE TYPE QUESTIONS)
(10x1=10 Marks)

- A. Define the function of safety codes used in welding
- B. What do you meant by face protection?
- C. Define the application of Inert gas
- D. Define welding and its applications
- E. Define fabrication along with its industrial applications
- F. Define the concept of distortion
- G. Define the function of residual stress
- H. Define the function of safe storage
- I. Define the function of electrode
- J. Define the application of flux

SECTION –B (ESSAY TYPE QUESTIONS)
(5x5=25 Marks)

1. Define the function of coating. Explain the different types of coating with suitable example
2. Define the function of flux. Explain the role of flux in gradients with suitable example
3. Explain weldability. Explain different aspects of welding with suitable example and applications
4. Define welding inspection. Describe the procedure and principle of dye penetent.
5. Explain the procedure required for ultrasonic Inspection and discuss its applications
6. Differentiate between weldability of carbon steel and stainless steel with suitable example
7. Discuss the different method to control the distortion with suitable example
8. Define the concept of radiation with suitable example and also discuss their drawbacks

==END OF PAPER==