

2209T140

D. Voc Mechanical Manufacturing
Subject: MOOC course (Manufacturing process
Technology (I & II)
Subject Code: MC-401
Semester: Third
September 2022
Theory (External): 70 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 2 mark.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 10 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 labelled

Roll Number

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SECTION –A (SHORT/OBJECTIVE TYPE QUESTIONS)
(10x2=20 Marks)

- A. Define manufacturing
- B. Define the function of casting
- C. Define the function of mould
- D. Define the function of gating system
- E. Define tool life
- F. Define Taylor tool life equation
- G. Define the function of EDM machining
- H. Define the function of electro chemical machining
- I. Discuss forging process
- J. Define extrusion process

SECTION –B (ESSAY TYPE QUESTIONS)
(5x10=50 Marks)

1. Explain stress strain diagram for different types of materials .
2. Describe the pattern allowances with suitable example
3. Differentiate between wear and failure with example and also explain the types of rolling Process

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4. Discuss the types of chips produced in metal cutting with suitable example
5. Describe construction and working of ultrasonic machining with suitable diagram
6. Describe construction and working of Abrasive jet machining process with suitable diagram
7. Describe sheet metal forming process with suitable example
8. Describe the types of materials with their applications

END OF PAPER