

2112E144

DIPLOMA OF VOCATION
Mechanical Manufacturing
Subject: MOOC Online Course-IV
(Industrial Best Practices)
Subject Code: MC-402
Semester: Third
December 2021
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 marks.
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. Differentiate planned and unplanned maintenance.
- B. Write the advantages of visual and temperature monitoring.
- C. What is on-line monitoring.
- D. Define condition based maintenance system.
- E. What do you mean by mass customization?
- F. Explain any two principles of lean manufacturing.
- G. Define the term value creation.
- H. Explain the types of production
- I. What are Decision phases?
- J. What do you mean by supply chain integration?

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

1. What is preventive maintenance explain with the help of example. How it is different from condition based maintenance system.
2. Write short note on:
 - (a) Break down maintenance
 - (b) Routine maintenance
3. Explain the types of condition monitoring. Differentiate between primary and secondary signals.
4. What are the benefits of lean manufacturing? State differences between lean manufacturing and traditional manufacturing.
5. Describe the elements of supply chain efficiency. What is the importance of supply chain flows?
6. Explain the following terms:
 - (a) Waste elimination
 - (b) Value chain
7. Explain the history of agile manufacturing. Discuss Agile Vs. Mass Manufacturing.
8. Define the following:
 - (a) Lubricant monitoring
 - (b) Leakage monitoring

==END OF PAPER==