

D.Voc Mechanical Manufacturing

Subject: Industrial Best Practices

Subject Code: MC-402

Semester: Third

Session: - 2019-22

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 70 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. Defines demand forecasting?
- B. What is chain?
- C. Defines agile manufacturing.
- D. Discusses the role of skill and knowledge in enhancing the design parameter during agile manufacturing.
- E. What are the principles of lean manufacturing?
- F. What are the two roles of six sigma implementation.
- G. What is meant by condition monitoring. Discuss its types.
- H. What is replacement analysis.
- I. Defines planned and unplanned maintenance.
- J. Defines breakdown maintenance and routine maintenance.

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

1. What are the different observational techniques? And how it is helpful in maintenance and monitoring. discuss.
2. What do you understand about corrective maintenance? How does predictive maintenance differ from preventive maintenance? Explain with examples.
3. What is the role of multimedia in agile manufacturing with neat block diagrams?
4. Briefly explains the six elements of leaders in the context of TQM.
5. explains the conceptual framework of agile manufacturing.
6. Define the problem. Discuss the different types of problems. Write the barriers to problem solving.
7. Explains the various MOPs of supply chain management. And methodologies to be adopted to improve with case study and example.
8. Briefly illustrates the various methods of determining the optimum level product availability and safety stocks with example.

==END OF PAPER==