

Mechanical Manufacturing

Mechatronics

Subject: Fundamentals of Industrial Management and Safety**Subject Code: IMS-501****Semester: Second****July 2022****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 labelled

Roll Number

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

- A) Define 'Quality'?
- B) Differentiate the term 'inspection' and 'quality control'?
- C) What is poke yoke?
- D) What are the benefits of ISO 9001?
- E) What is Quality Budget?
- F) Define Pareto Chart?
- G) State the principles of TQM?
- H) What do you mean by KAIZEN?
- I) Define JIT.
- J) What is Histogram?

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

- Q1 What do you mean by the Inspection. Briefly explain the various inspection methods.
- Q2 Write briefly on:
 - a) Flow charts
 - b) Scatter diagram
- Q3 What is Quality Assurance ?Describe various management principles used in Quality Assurance.
- Q4 What is problem solving? Explain in detail two tools of problem solving.
- Q5 Using any example, explain the structure of cause and effect diagram?
- Q6 What is quality control? What are the tools available for quality control?
- Q7 Explain the meaning of 5S techniques used in industry?
- Q8 Explain the functioning of Integrated management system

*****END OF THE PAPER*****