

2202E018

DIPLOMA OF VOCATION

Mechanical Manufacturing

Subject: Fundamental of Industrial Management

Subject Code: IMS-301

Semester: First

February 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									

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

- A. What do you mean by quality control?
- B. Select an example of quality assurance.
 - a) Verification
 - b) Software testing
 - c) Validation
 - d) Documentation
- C. Differentiate between quality control and quality assurance.
- D. Expand ISO. What is the meaning of ISO 9001?
- E. Classify the problems.
- F. What is the cause and effect diagram?
- G. What is the format of a histogram?
- H. Expand TQM and mention its two usages.
- I. Expand TPM and mention its principle.
- J. What is the meaning of KAIZEN and mention its application.

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

1. Explain the types of costs associated with quality control of a product.
2. Explain quality assurance with a suitable example. What are the different stages of quality assurance?
3. Classify the industrial problems. Explain a pareto chart technique of problem solving.
4. Taking a suitable practical example, draw and explain a suitable fish-bone diagram.
5. What are the roles of TQM and TPM in an industry? Explain their principles with applications.
6. Differentiate between KAIZEN and Poke Yoke principles with their applications.
7. Mention 5S and how these are important to an industry.
8. Write short note on:
 - (a) Integrated Management System and,
 - (b) Types of audits

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