

2202E010

BACHELOR OF VOCATION
Subject: Fundamentals of Industrial Management and Safety

Subject Code: IMS-501

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

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

- A. What is the need of maintaining quality in industrial processes?
- B. Define inspection and name its types.
- C. Define (a) quality assurance, (b) quality planning.
- D. Name the types of industrial audits.
- E. Classify the industrial problems.
- F. What are the various barriers to solve the problems?
- G. What is the principle of TQM?
- H. What are the advantages of JIT technique?
- I. Expand 5S rules.
- J. What is an Integrated Management System?

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

1. Explain the various costs involved in maintaining the quality of a product?
2. Explain the types of inspection and their applications.

3. Differentiate between quality control and quality assurance with suitable examples.
4. Expand ISO. What is ISO 9000 standard? Mention its industrial applications.
5. Explain the following problem solving tools with suitable diagrams: (a) cause and effect diagram, and (b) Pareto charts.
6. What is the principle of TPM technique? What are the barriers to TQM implementation in industries?
7. Write brief notes on:
(a) KAIZEN, (b) Poke Yoke, (c) JIT, (d) CAPA
8. What are 5S tools? What are the possible benefits of 5S tools to an industry?

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