

**DIPLOMA OF VOCATION**  
**Mechanical-Manufacturing**  
**Subject: Fundamental of Industrial Management**  
**Subject Code: IMS-301**  
**Semester: First**  
**December 2019**  
**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 (OBJECTIVE TYPE QUESTIONS)**

**(10x1=10 Marks)**

- A Define 'Quality'?
- B Differentiate between 'inspection' and 'quality control'?
- C Name any two quality assurance activities?
- D What is ISO?
- E Name two initial steps in problem solving?
- F What is utility of Pareto Chart?
- G What is significance of 'T' in TQM?
- H Define KAIZEN?
- I What is 'Seiton'?
- J Give any two benefits of IMS?

**SECTION –B (ESSAY TYPE QUESTIONS)**

**(5x5=25 Marks)**

- Q1 Describe the importance of ‘Statistical Quality Control’ (SQC).  
Write briefly on:
- Q2 a) Reliability and conformance?  
b) Quality Assurance Procedures?
- Q3 Write briefly on ISO audit and ISO certification?
- Q4 Explain the basic framework for problem solving?
- Q5 Using any example, explain the construction of fishbone diagram?
- Q6 Explain any four principles of TPM?
- Q7 Explain all 5 elements of 5 Ss?
- Q8 How is ‘Integrated Management System’ implemented?

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