

2202E019

DIPLOMA OF VOCATION
Mechanical Manufacturing
Subject: Inspection & Quality Control
Subject Code: IMS-302
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. Define the function of sine bar
- B. Define the function of caliper
- C. Define the function of surface plate
- D. Define Mean and Mode
- E. Define the function of Try square
- F. Define the application of snap gauge
- G. Define the meaning of Quality control
- H. Define Interchangeability
- I. Define standard deviation
- J. Discuss the application of histogram

SECTION –B (ESSAY TYPE QUESTIONS)

(5x5=25 Marks)

1. What is inspection? Describe the types of Inspection along with industrial applications
2. Describe Unit of measurement and standard for Measurement with suitable example
3. Describe the construction and working of Micrometer with neat diagram along with applications related to industries.

4. Describe the function of gauge and explain the working of different types of gauges with neat diagram
5. Describe the working of dial indicator with neat diagram and also mention it's industrial applications
6. Differentiate between X and R control Chart with neat and clean diagram along with applications related to manufacturing industries
7. Discuss the different types of sampling plans along with suitable examples
8. Discuss the construction and working of Profile projector with neat diagram and also mention its merits and demerits

==END OF PAPER==