

2107011

DIPLOMA OF VOCATION
Industrial Electronics
Subject: Plant Maintenance and Safety
Subject Code: EDMS-208
Semester: Fourth
July 2021
Theory (External): 70 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 2 marks.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 10 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)
(10x2=20 Marks)

- A. Define Maintenance engineering.
- B. Write the type of tools used for maintenance.
- C. Define fault tracing.
- D. Explain the concept of decision tree.
- E. What is need of periodic inspection?
- F. What are safety colour codes?
- G. Write the methods of fire prevention.
- H. What are the equipments used for fire fighting.
- I. What do you mean by Recovery?
- J. Write down the applications of retrofitting.

SECTION –B (ESSAY TYPE QUESTIONS)
(5x10=50 Marks)

1. Explain the types of maintenance. Also discuss the aim of maintenance engineering.
2. Difference between:
(a) Mechanical hazards
(b) Electrical hazards
3. What is the primary function of maintenance department and what are its responsibilities?
4. What are the types of faults in machine tools explain briefly with their general causes?
5. What are the types of accidents? Write down the four main causes of accidents.
6. Explain the following terms:
(a) Periodic inspection
(b) Overhauling of electrical motor
7. Explain the process of Reconditioning. Write down its advantages and features.
8. Describe the Degreasing schemes, cleaning and repairing method used in industry.

==END OF PAPER==