



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION  
COUNCIL (TVET CDACC)**

**Qualification Code : 071606T4MCT**  
**Qualification : Mechatronics Technician Level 6**  
**Unit Code : ENG/OS/MC/CR/07/6/A**  
**Unit of Competency : Manage mechatronic projects**

**WRITTEN ASSESSMENT**

**INSTRUCTIONS TO CANDIDATE**

1. You have **THREE** hours to answer all the questions.
2. Marks for each question are indicated in the brackets.
3. The paper consists of **TWO** sections: A and B.
4. Do not write on the question paper.
5. A separate answer booklet will be provided.

**SECTION A [40 MARKS]**

*Answer all the questions in this section*

1. List when a project is considered a success? (3 Marks)
2. State why we do need mechatronic project management? (3 Marks)
3. List the key features of “The age of project management (4 Marks)
4. What are the human aspects of project management? (3 Marks)
5. List characteristic of effective teams (5 Marks)
6. List characteristics of a project. (4 Mark)
7. List skills necessary for effective project managers (5 Marks)
8. Describe a project management software (3 Marks)
9. List the five broad phases of capital budgeting. (5 marks)
10. List five methods of making decisions. (5 marks)

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**SECTION B (60 MARKS)**

*(Answer any THREE (3) questions in this section)*

11. State and describe different types of project management (20 Marks)
12. Every project operates within certain boundaries called constraints list and explain them. (20 Marks)
13. Compare the PERT Model and CPM Model (20 Marks)
14. List and explain the typical project cost categories (20 Marks)

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