

**THE PAPUA NEW GUINEA UNIVERSITY OF TECHNOLOGY**  
**THE DEPARTMENT OF ARCHITECTURE & BUILDING**  
**SECOND SEMESTER EXAMINATION**  
**SECOND YEAR BACHELORS IN PROPERTY STUDIES**  
**CM 223 – CONSTRUCTION MANAGEMENT FOR PROPERTY STUDIES**

Room: Studio #1  
Date: Thursday 26<sup>th</sup> October 2023  
Duration: 3 hours  
Time 8.20 to 11.30 am

**Information to Candidate**

1. You have 10 minutes to read the paper. Do not begin writing during this period.
2. Fill in the Attendance Slip with your name and student I.D. number now.
3. There are nine (9) questions and you are to answer all questions.
4. ALL ANSWERS MUST BE WRITTEN IN THE ANSWER BOOK (S) PROVIDED.
5. Each Question must be answered starting on a New Page.
6. Notes, Textbooks and Cellphones are NOT ALLOWED in the Exam Room.

**WRITE YOUR NAME AND ID NUMBER CLEARLY ON THE FRONT PAGE OF THE EXAM BOOKLET. DO IT NOW.**

**TOTAL MARKS = 220 MARKS**

Question #1

Elaborate and differentiate between perspective and paraline drawing. (20 marks)

Question #2

List two (2) purpose of specification and describe them briefly. (20 marks)

Question #3

What is sick building syndrome? (10 marks)

Question #4

What is the main objective of the building act? (10 marks)

Question #5

- a) List and describe the four (4) different pipes used for water reticulation into a building. (40 marks)
- b) Discuss their properties. (30 marks)

Question #6

Describe an electrical transformer generally. (15 marks)

Question #7

List five (5) types of plant rooms that may be found on a multi-storey building. (25 marks)

Question #8

List and describe two (2) types of security systems employed in buildings. (20 marks)

Question 9

What is fire safety? (30 marks)

End of Exam