

THE PAPUA NEW GUINEA UNIVERSITY OF TECHNOLOGY  
THE DEPARTMENT OF ARCHITECTURE AND CONSTRUCTION MANAGEMENT  
FIRST SEMESTER EXAMINATION  
SECOND YEAR BACHELOR OF PROPERTY STUDIES  
CM 213 – BUILDING CONSTRUCTION FOR PROPERTY STUDIES I

Room: ST1  
Date: Tuesday 8<sup>th</sup> June 2021  
DURATION: 3 Hours  
Time: 8:20 – 12:30 pm

Instructions to Candidates

1. You have 10 minutes to read the paper.  
Do not begin writing during this time.
2. Fill in the Attendance Slip with your name and student I.D. number now
3. **There are eleventh 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 and Textbooks are not allowed in the Test Room.

WRITE YOUR NAME AND IDENTIFICATION NUMBER CLEARLY ON THE FRONT PAGE. DO IT NOW!

TOTAL MARKS = 100 MARKS

**Question One: [9 marks]**

State and explain the three Environmental Controls in creating an ideal climate to suit humans.

**Question Two: [10 marks]**

State and explain the two thermal comfort models

**Question Three: [10 marks]**

Explain the difference between defects and deterioration of a building and give an example of each.

**Question Four: [12 marks]**

State and explain any four causes of carrying out maintenance work on buildings.

**Question Five: [10 marks]**

Explain the importance of solid specifications.

**Question six: [5 marks]**

State any five (5) properties of building materials.

**Question seven: [15 marks]**

State and define any five (5) timber defects.

**Question Eight: [10 marks]**

Explain the term masonry and state the difference between a concrete blocks and bricks.

**Question nine: [6 marks]**

State the two types of construction where the steel is used.

**Question Ten: [8 marks]**

State one (1) advantage and a disadvantage of the four (4) listed Modes of Curtain Wall Assembly of Glass and aluminum frame installation.

- (i) Stick Systems (ii) Unit System (iii) Panel Systems (iv) Column Cover & Spandrel System

**Question Eleven: [5 marks]**

State any five (5) functions of plastering as one wall finishing.