

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: Wednesday 1st June 2022
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 eight 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: [15 marks]

State and explain any five (5) of the Climate – Modification function when dealing with functions of the external envelope of buildings.

Question Two: [12 marks]

State and explain any 3 recommended principles of good house design for the warm humid tropics of (a) Control of Radiant Heat and (b) Promotion of Air Movement

Question Three: [10 marks]

State and explain any five (5) primary agents, sources and causes of deterioration and decay in structures and buildings.

Question Four: [12 marks]

State and explain any 2 types of; (a) Planned Maintenance and (b) Unplanned Maintenance

Question Five: [12 marks]

State and explain the three types of construction contract specifications

Question six: [12 marks]

State and explain any four (4) properties of building materials.

Question seven: [12 marks]

(a) State and explain the four (4) stages of processing timber (12 marks)

Question Eight: [15 marks]

Explain the composition of the following materials and state one (1) examples of uses of these materials.

- (a) Stone
- (b) Masonry
- (c) Concrete