

THE PAPUA NEW GUINEA UNIVERSITY OF TECHNOLOGY
THE DEPARTMENT OF ARCHITECTURE AND CONSTRUCTION MANAGEMENT

SECOND SEMESTER EXAMINATION

BACHELOR OF PROPERTY STUDIES

SECOND YEAR

CM 223 – BUILDING CONSTRUCTION FOR PROPERTY STUDIES II

Room: L2
Date: Monday 31st October 2022
DURATION: 3 Hours
Time: 12:50 – 4:00 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 six 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: [12 marks]

- a) State any two examples of Architectural Drawings in relation to the followings. (6 Marks)
- i. Primary Drawing (2 Marks)
 - ii. Secondary Drawing (2 Marks)
 - iii. Single View Drawing (2 Marks)
- b) Explain the following Architectural drawings. (6 Marks)
- (i) Design drawings (ii) Construction Drawings

Question Two: [12 marks]

State and explain the three building specification types?

Question Three: [25 marks]

Explain the following reticulated building services of how each operate and who provided these services in Papua New Guinea

- a) Water Supply (5 Marks)
- b) Sewage Disposal (5 Marks)
- c) Electrical Power (5 Marks)
- d) Telephone Services (5 Marks)
- e) Storm Water (5 Marks)

Question Four: [20 marks]

State and Explain the external water supply reticulation from water sourcing to water distribution processes

Question Five: [21 marks]

- (a) What are Fossil fuels and explain how it works? (10 Marks)
- (b) What is Hydroelectricity and explain how it works? (11 Marks)

Question six: [10 marks]

State any five security systems and explain their benefits accordingly