

THE PAPUA NEW GUINEA UNIVERSITY OF TECHNOLOGY
THE DEPARTMENT OF ARCHITECTURE AND CONSTRUCTION MANAGEMENT
SECOND SEMESTER EXAMINATION
SECOND YEAR BACHELOR OF PROPERTY STUDIES
CM 223 – BUILDING CONSTRUCTION FOR PROPERTY STUDIES II

Room: L2
Date: Monday 1st November 2021
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 these 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: [10 marks]

- a) State the purpose of Architectural drawing? (4 Marks)
- b) Explain the following Architectural drawings and construction drawings.
(i) Design drawings (ii) Construction Drawings (6 Marks)

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: [20 marks]

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

Question six: [13 marks]

Explain the uses and purpose of plant rooms