

THE PAPUA NEW GUINEA UNIVERSITY OF TECHNOLOGY
THE DEPARTMENT OF ARCHITECTURE AND BUILDING
FIRST SEMESTER 2020 EXAMINATION
2ND YEAR – BACHELOR OF CONSTRUCTION MANAGEMENT
CM212 CONSTRUCTION MANAGEMENT I

Room: L2

Date: 18th JUNE, 2021

Time: 8:20am

Duration: 3 HOURS

Instruction to Examinee:

- 1. You have 10 minutes to read the question paper. You must not begin writing during this time.**
- 2. ALL ANSWERS MUST BE WRITTEN IN THE ANSWER BOOKLET(S) PROVIDED.**
- 3. WRITE YOUR NAME AND IDENTIFICATION NUMBER CLEARLY ON THE FRONT PAGE. DO IT NOW.**
- 4. No reference materials are allowed in the examination room. Materials to be supplied by students:**
 - Writing implements**
 - Calculator**
 - Scale Rule**
 - Eraser**
- 5. All mobile phones must be switched off and placed away from your desk**
- 6. ANSWER ALL 5 QUESTIONS**

TOTAL MARKS: 100

QUESTION ONE [20 marks]

A 3 bedroom house is to be built in Lae. Cite 3 requirements in the Building Regulation Chapter 301 and discuss their significance.

QUESTION TWO [20 marks]

Discuss the significance of construction planning and its major components.

QUESTION THREE [20 marks]

Discuss the significance of site planning and elaborate on how site entrance and site storage influence productivity on site.

QUESTION FOUR [20 marks]

Discuss how timbers of a typical floor frame system in a residential building are scheduled for construction.

QUESTION FIVE [20 marks]

Discuss the significance of waste management in construction including 3 ways of managing waste on a construction site.