THE PAPUA NEW GUINEA UNIVERSITY OF TECHNOLOGY THE DEPARTMENT OF ARCHITECTURE & BUILDING SECOND SEMESTER EXAMINATION FIFTH YEAR BACHELORS IN BUILDING BL 542 – BUILDING ECONOMICS

Room:

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Date:

Monday 14th October 2022

Duration:

3 hours

Time

12.50 to 4.00 pm

Information to Candidate

- 1. You have 10 minutes to read the paper. Do not begin writing during this period.
- 2. Fill in the Attendance Slip with your name and student I.D. number now.
- 3. ALL ANSWERS MUST BE WRITTEN IN THE ANSWER BOOK (S) PROVIDED.
- 4. Each Question must be answered starting on a New Page.
- 5. Notes, Textbooks and Electronic devices are **NOT ALLOWED** in the Exam Room.

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

TOTAL MARKS = 400 MARKS

Question #1

Differentiate between these design variables "storey height" and "total height of a building". (40 marks)

Question #2

Identify three (3) building elements and compare its' cost to a hospital facility against an educational facility. (120 marks)

Question #3

List and elaborate on four (4) key macro-economic objectives.

(120 marks)

					Design	Process					
	Cost Planning & Control										
	Pre-contract Cost Control							Post Contract Cost Control			
Cost	imit Cost			Plan Cost			Analysis				
A	В	С	D	Ε	F	G	Н	J	K	M	N
Inception	Feasibility	Outline	Scheme	Detail Design	Production	Bill of	Tender	Project	Construction	Completion	Feedback
		Proposal	Design		Information	Quantities	Action	Planning			
Brie	fing	Sketch Plan		Working Drawings				Site Operations			
		nation Prepare cost Cost c		1	Production information drawings		Contract drawings				
				checks					Cost monitoring		
		Agree outline cost plan		Final cost checks							

Question #4 - Refer to above diagram

List and identify four (4) categories in this diagram where data from a cost analysis may be utilize and elaborate on it. (120 marks)

End of Exam