



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF BUILT ENVIRONMENT

DEPARTMENT OF CONSTRUCTION MANAGEMENT

CONSTRUCTION FOR SUSTAINABILITY

BCM 5212

Main Examination Paper

August 2024

This examination paper consists of 2 pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: None

Examiner's Name: Muvungani R.

INSTRUCTIONS

1. Answer any 4 questions
2. Each question carries 25 marks
3. Use of calculators is permissible

MARK ALLOCATION

| QUESTION | MARKS |
|-----------------|--------------|
| 1. | 25 |
| 2. | 25 |
| 3. | 25 |
| 4. | 25 |
| 5. | 25 |
| TOTAL | 100 |

Question One

“Sustainable development is not a new but old phenomenon with mere new terminology.” Debate this assertion. [25 marks]

Question Two

Discuss any five (5) Sustainable Development Goals (SDGs) which are directly relevant to the Zimbabwean construction industry. [25 marks]

Question Three

Green construction is the key to development in Zimbabwe but very little has been done to date. In light of the aforesaid statement, critically analyse the present state of green construction (with aid of cases where applicable) and outline strategies which can be adopted to improve the situation. [25 marks]

Question Four

Evaluate the current principles of sustainable construction in relation to the Zimbabwean construction industry. [25 marks]

Question Five

Circular construction is just but a talk in the academic space which “practically” does not hold any substance. Discuss [25 marks]

END