



College of Environmental Science (COEVS)

SECOND SEMESTER EXAMINATION, 2023/2024
ARCHITECTURE PROGRAMME
ARC 208: BUILDING COMPONENT AND METHOD

INSTRUCTION: This paper contains six questions. **Answer any FOUR (4) Questions.**

TIME ALLOWED: 2 hours

Use well labeled diagram(s) where applicable

WARNING: Please note that you are not allowed to bring mobile phone(s) into the examination hall.

Non-compliance will amount to examination misconduct and attract stiff penalty.

1. a. State the similarities and differences between open well stair and dog-legged stair, also state their advantages (including sketches). (9 marks)
b. State the similarities and differences between L-shaped stairs and dog-legged stairs also state the advantages of dog-legged stairs over L-shaped stairs (including sketches). (8.5 marks)
2. a. Define setting out and List the Equipment used in setting out a building plan on site. (10 marks)
b. Enumerate the steps involved in setting out a building plan on site. (7.5 marks)
3. a. Highlight the Factors affecting the choice of foundation. (10 marks)
b. Discuss any five purposes of Plastering and Rendering. (7.5 marks)
4. a. Highlight Ten Steps involved in site preparation. (10 marks)
b. State the 4 main sections under which the Construction equipment can be categorized then, list ten equipment involved. (7.5 marks)
5. a. Define (a). Site safety (b). Safety procedures. (5.5 marks)
b. List some general safety procedures that can be applied in a variety of contexts. (12 marks)
6. a. Discuss ten types of walls. (12.5 marks)
b. List Five different types of floor slabs (5 marks)