



BOWEN UNIVERSITY (Of the Nigerian Baptist  
Convention) IWO

College of Environmental Science (COEVS)

FIRST SEMESTER EXAMINATION, 2023/2024

DEPARTMENT OF ARCHITECTURE

ARC 305: THEORY ARCHITECTURE (2 UNITS)

**INSTRUCTION:** This paper contains six questions. Answer Questions 1 and 2 and any other two (2) questions in all  
**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.

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- 1a Mention three (3) reasons essential to study Theory of Architecture as an Architectural student. (3 marks)
- 1b Explain in details two (2) Technique used by Architects to Generate Ideas. (10 marks)
- 1c Explain Subtractive and Additive Transformation of Form used in Architecture. (12 marks)
- 2a Explain the development of Theory of Architecture and its Core Themes. (10 marks)
- 2b Why was the Cubist idea introduced into Architecture by Le Corbusier? (5 marks)
- 2c Explain "Space" as the basic material in Architecture. (10 marks)
- 3a Define the following Idea Generation, Creativity, Aesthetics, Form and Architecture. (5 marks)
- 3b Highlight five (5) Methods for Generating Ideas in Architecture. (5 marks)
- 4 Explain the two (2) major Horizontal planes that defines Space with good sketches. (10 marks)
- 5 Using Vitruvius main qualities for Architecture, which are Firmness, Aesthetics and Functionality, give a detailed analysis of the Bowen University Senate Building. (10 marks)
- 6a Highlight two (2) major reasons for Openings in Architecture. (2 marks)
- 6b Explain the following openings that occur in Architecture: Openings at Corners and Openings within Planes. (8 marks)