



**BOWEN UNIVERSITY**  
(Of the Nigerian Baptist Convention)  
IWO

**College of Environmental Science (COEVS)**  
FIRST SEMESTER EXAMINATION, 2023/2024  
ARCHITECTURE PROGRAMME  
ARC 203: HISTORY OF ARCHITECTURE I (2 UNITS)

**INSTRUCTION: Answer question ONE (1) and any THREE (3) Questions.**

**TIME ALLOWED: 2 and half 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.**

- 1a (i) Bowen University Chapel building is a testament of Architectural master piece and work-of-art, with unique architectural elements and characters. Describe the architectural movements, influences and styles evident in the design of Bowen University Chapel. **(5 marks)**
- (ii) Write briefly on the Architectural styles you worked on in your history class group and state your contributions to the group's research work. **(5 marks)**
- 1b (i) Expatriate with relevant illustrations on the term "Romanesque Architecture" stating its legacy, characteristics and influence on today's architecture. **(5 marks)**
- (ii) Briefly highlight the essential characters of Byzantine Architecture. **(5 marks)**
- (iii) With a well labelled sketch, describe any of the Classical orders. **(5 marks)**
- 2a Write about Leonardo Di Ser Piero DaVinci and Marcus Vitruvius Polio. With emphasis on their works and influence on Architecture. **(10 marks)**
- 2b Name the five (5) orders in the classical world. **(5 marks)**
- 3a Describe Gothic Architecture. Highlight its architectural characters, and mention two (2) buildings that depict Gothic Architecture. **(10 marks)**
- 3b. Vitruvius was a Roman architect and engineer during the 1<sup>st</sup> century B.C, known for his treatise '*De architectura*'. Briefly write about the three (3) major elements for a well-designed building his treatise emphasized. **(5 marks)**
- 4a Hagia Sophia in Constantinople is considered the greatest masterpiece of Byzantine Architecture.
- (i) Give a full description of Hagia Sophia and Sketch a section through it.
- (ii) Give a full description of the development of Pendentives in Byzantine Architecture. **(15 marks)**
- 5a Sketch a well labeled typical Basilica. **(10 marks)**
- 5b Differentiate between the ancient Roman cross and the Greek cross symbols. **(5 marks)**
- 6a Write briefly on the following;
- (i) Pointed Arch
- (ii) Stained glass
- (iii) Pendentives
- (iv) Basilica
- (v) Flying Buttress. **(10 marks)**
- 6b With a sketch, differentiate between a Barrel vault and a Groin vault. **(5 marks)**