

FEDERAL UNIVERSITY OF TECHNOLOGY MINNA
SCHOOL OF ENVIRONMENTAL TECHNOLOGY
DEPARTMENT OF ARCHITECTURE

SECOND SEMESTER 2018/2019 ACADEMIC SESSION EXAMINATION

Course Code: ARC 223
Course Title: Construction Technology II
Level: 200 Level (Architecture)
Time Allowed: 2 Hours **30 MINS.**
Course Lecturer: Dr A. D. Isah
Head of Department: Dr P. Ayuba
Instruction: Answer question one (1) and any other two (2) questions. Be precise in your answers and provide neat sketches where necessary.

Q1. a. Using the table below prepare a schedule on basic traditional building material and construction method across the regions of Nigeria aimed at utilising them for maximum benefit in creating building spaces.

| Sn | Region | Building Materials (Nature of Material) | Application Method (Possibilities, Potentials & Limitations | Functional Requirement | Illustrations |
|----|--------|---|---|---------------------------|---------------|
| | | | | | |

b. Write briefly on the following;

- i. Describe the basic model forms of the Nigerian Brazilian house of the coastal Nigeria.
- ii. Influence of the climatic conditions of regions in Nigeria on traditional architecture.
- iii. Indigenous African Architecture.

Total 20marks

Q2. a. Using a neat sketch describe a typical compound layout of Hausa ethnic group focusing on basic traditional building materials and construction method.

b. Write briefly on the following;

- i. Build-in furniture peculiar to the Rukuba ethnic group of the Jos Plateau of the middle belt of Nigeria.
- ii. Describe the basic concept of the house form of the Jaba ethnic group of the middle belt of Nigeria.
- iii. The "*Ate*" of a typical Tiv traditional building element.

Total 20marks

Q3. a. Using a neat sketch describe a typical compound layout of Tiv ethnic community of central Nigeria focusing on basic traditional building materials and construction method.

b. Write briefly on the following;

- i. Enumerate the stylistic decorative elements of the Brazilian origin found in Brazilian houses of the coastal belt of Nigeria.

- ii. The hierarchical concept of building structures in typical Yoruba habitation.
- iii. The "*Agbo-ile*" of the Yoruba ethnic group of Western Nigeria.

Q4. a. Using a neat sketch describe the template of a typical compound layout of Yoruba ethnic community of Western Nigeria focusing on basic traditional building materials and construction method.

Total 20marks

b. Write briefly on the following;

- i. Basic traditional building elements peculiar to the Nupe ethnic group of the central Nigeria.
- ii. Impact of culture and building materials on the surrounding landscape of dwellings in typical traditional human settlements.
- iii. The "*Obu*" of the Igbo ethnic group of the Eastern Nigeria.

Total 20marks