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

FIRST SEMESTER EXAMINATION (2019 / 2020 session)

COURSE CODE: - ARC. 218
COURSE TITLE:- CONSTRUCTION MATERIALS I
LEVEL: 100 (ARCHITECTURE DEPT)
TIME ALLOWED: - 2 HOURS
COURSE LECTURER: Arc. Bako Ismail Muhammad, MNIA
HEAD OF DEPARTMENT: Arc. Philip Ayuba, MNIA

Instructions:

- i. Answer **ALL** questions
- ii. Drawings **MUST** be in **Pencil**.
- iii. Apply **margins** and **title blocks** on all drawings

Q1.

- a. Differentiate between traditional building materials and the refined modern building materials.
- b. List and write short notes with sketches on any ten traditional building materials, with emphasis on their nature and uses.

20Marks

Q2.

- a. Enumerate any Five types of Portland cement
- b. Write short note on each type enumerated in 'a' and state their major areas of usage

10Marks

Q3.

Stone falls within both Traditional and Modern building material classes;

- i. Differentiate between stone and rock
- ii. List and write short notes on any five types of Stones
- iii. Give any five building materials that are Traditional and are conveniently used in today's modern buildings

30Marks