

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

SECOND SEMESTER EXAMINATION, 2016/2017 SESSION.

COURSE CODE: ARC. 223

COURSE TITLE: CONSTRUCTION TECHNOLOGY II

LEVEL : 200 LEVEL ARCHITECTURE

TIME : TWO AND HALF HOURS (2 HOURS 30 MINUTES)

INSTRUCTION: QUESTION ONE IS COMPULSORY. CANDIDATES ARE EXPECTED TO
ATTEMPT THREE (3) QUESTIONS IN ALL

Neat sketches and clarity of expression attract more marks.

QUESTION 1.

(a) With the aid of ~~#~~ well annotated sketches only, describe the construction of the following foundation types: (i) Strip foundation (ii) Raft foundation (iii) Short Bored Pile foundation **18 marks**

(b) Outline briefly the soil and site conditions under which the above named foundation types are used

12 marks

TL = 28 marks

QUESTION 2

(a) Discuss briefly the main features of traditional building materials in Northern Nigeria

(b) State the main features of contemporary building materials in Nigeria **16 marks**

QUESTION 3

Discuss any five (5) factors to consider as an architect when you are required to choose a building site for your client **16 marks**

QUESTION 4

Describe the steps to take in setting out buildings on site **16 marks**

TOTAL = 60 MARKS