

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

Second Semester 2017/2018 Session Examinations

ARC 224. Building Climatology.

Name of Lecturer: Arc. M. U-K Yelwa

Head of Department: Dr. P. Ayuba

Instructions: Answer ALL Questions.

Use of neat diagrams where necessary will attract better marks

Time allowed 2 (TWO) hours.

1a. What is climatology?

4 marks

1b. What are the factors that affect human comfort? Give a brief description of each of its effects.

16 marks

2. What are the six (6) climatic zones in Nigeria, with respect to Architectural design?

6 marks.

2b) External Sun shading devices are basically divided into how many types? With the aid of well labeled diagrams, explain them.

14 marks.

3. Draw and label the human figure on body heat exchange that humans use to maintain body thermal comfort.

20 marks

ALL THE BEST