

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

**Second Semester 2016/2017 Session Examinations**

**ARC 224 . Building Climatology.**

**Instructions: Answer ALL Questions.**

**Use of neat diagrams where necessary will attract better marks**

**Time allowed 2 (TWO) hours.**

- 1) With the aid of a well labeled diagram, explain the OLGAY BIOCLIMATIC CHART.  
*20 marks.*
- 2a) What are the six (6) climatic zones in Nigeria, with respect to Architectural design?  
*9 marks.*
- 2b) What design considerations are applied to tackle issues of climate in Architectural design?  
*6 marks.*
- 2c) How do the climatic zones in 1a above affect Architectural design?  
*5marks.*
- 3a) External Sun shading devices are basically divided into how many types? With the aid of well labeled diagrams, explain them.  
*15 marks.*
- 3b) What are the characteristics of sun shading devices ?  
*5 marks.*