

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF SCIENCE AND TECHNOLOGY EDUCATION
DEPARTMENT OF INDUSTRIAL AND TECHNOLOGY EDUCATION
SECOND SEMESTER 2018/2019 SESSION EXAMINATION

COURSE CODE: ITE 348

COURSE TITLE: BUILDING ENVIRONMENT AND MAN

TIME ALLOWED: 2HOURS

INSTRUCTION: ANSWER ONLY FOUR (4) QUESTIONS

1. Explain with a clear diagram the process of heat transfers within and out of a building.
2. There are many ways in which lighting can be implemented in a building. Create and improve both exterior and interior lighting systems of your building in five (5) ways.
3. Explain the following concept of heat transfers as related to building:
 - (i) Conduction
 - (ii) Convection
 - (iii) Radiation
4. Lists and explain five (5) building materials that can be used or adopted for a special building to afford sound and heat transmissions.
5. Thermal comfort can be controlled or adjusted by a number of different measures. Recommend different measures to your clients on how to control or adjust the effect of thermal in their buildings.