

DEPARTMENT OF INDUSTRIAL AND TECHNOLOGY EDUCATION  
SCHOOL OF SCIENCE AND TECHNOLOGY EDUCATION  
FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA  
END OF SEMESTER EXAMINATIONS 2017/2018

**COURSE:** WWT 302 Carpentry and Joinery - 2 units

Time Allowed: 2 hours

**INSTRUCTIONS:** Answer **any four** questions. Each question attracts 15 marks. Extra marks will be awarded for neatness.

- Q 1. a) Make a sketch of a raised timber ground floor and show the following:  
i. Wall plate ii. Strip foundation iii. Floor joist iv. Floor board v. Concrete floor  
b) Explain the function of **any two** in (a) above.
- Q2. With the aid of sketches explain **three** methods of strutting between floor joists.
- Q3. State **five** functional requirements of a timber ground floor and explain **any two**
- Q4. a) State **five** types of roofs.  
b) With the aid of sketches explain two methods of setting out buildings.
- Q5. a) State and explain **three** types of eaves and sketch **any one**  
b) Explain **two** functions of eaves.
- Q6. Briefly explain the functions of the following building components:  
i. Door ii. Window iii. Chimney iv. Ceiling v. Formwork