

**INDUSTRIAL AND TECHNOLOGY EDUCATION DEPARTMENT**  
**SCHOOL OF SCIENCE AND TECHNOLOGY EDUCATION**  
**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA**  
**SECOND SEMESTER EXAMINATION 2019/2020 ACADEMIC**  
**SESSION**

**COURSE TITLE:** INDUSTRIAL MATERIALS AND MANUFACTURING  
PROCESS

**COURSE CODE:** ITE 525

**CREDIT UNIT:** 2 CREDIT UNITS

**TIME:** 2 HOURS

**INSTRUCTION:** ANSWER FOUR (4) QUESTIONS ONLY

- (1) List and discuss eight (8) most common materials used in Metal Fabrication.
- (2) Write short note on the following:
  - i. Continuous Production
  - ii. Line Production
  - iii. Intermitted Production
  - iv. Custom Production
- (3) Discuss the difference between Primary and Secondary manufacturing processes
- (3b) Define Production system.
- (4) List five (5) main manufacturing resources and discuss any four.
- (5) Briefly describe the following Properties of Wood.
  - i. Color and Odor
  - ii. Specific Gravity
  - iii. Moisture Content
  - iv. Grain
  - v. Shrinkage and Swelling
  - vi. Strength