

**Department of Industrial and Technology Education
Federal University of Technology, Minna.
School of Science and Technology Education
Second Semester Examination 2019 / 2020**

Course Code: ITE 322

Course Title: Material Technology

Instruction: Answer all the Questions in Section A and Four (4) Questions in Section B

Section A

The property of Metal that allows it to be drawn into thin wires is referred to as 1
To convert tree in the forest to usable products, the raw material (lumber) needed to be 2
3 refers to those materials produced from trees that required additional processing
before they can become parts of useful products.
Plastics as building materials are of 4 types.
Natural rubber processing is from 5 obtained from 6
There are two (2) types of rubbers namely 7 and 8
The reason for not commonly found glass in construction has to do with its 9
The three forms of materials in a general classification are 10, 11 and 12
13 is the 14 form of 15 that cannot be 16 or 17 from
simpler substances by any ordinary 18 or 19
20 is a term used as to the work piece from the base material during wood
processing.

Section B : Answer Only Four (4) questions out of Five (5).

- 1a. List two main classification of metal.
- 1b. Clearly state what differentiate the two forms of metals.

- 2a. List three (3) categories of materials.
- 2b. Briefly describe two (2) out of the three (3) categories of materials listed above.

- 3a. List two properties each for the following materials: Wood, Metal, and Rubber.
- 3b. Explain with the aid of a sketch, the injection moulding method of plastic processing.

- 4a. Identify two (2) types of plastics.
- 4b. Describe the two (2) types of plastics identified above.

- 5a. Identify materials used to process glass as ceramics.
- 5b. Identify two forms of rubbers.
- 5c. Explain briefly how rubber can be obtained and processed.