

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA  
SCHOOL OF SCIENCE AND TECHNOLOGY EDUCATION  
INDUSTRIAL AND TECHNOLOGY EDUCATION DEPARTMENT  
SECOND SEMESTER EXAMINATION 2021/2022 SESSION.

Course Code/ Title: ITE 525 / Industrial material and manufacturing process

**Instructions:** Time allowed is 2 hours; Answer any four (4) questions.

1. (a) How is pennevernon process done in glass drawing? (5Mks)  
(b) Explain glass melting process. (10Mks)
2. (a) Explain the entire process from tapping of latex to the production of rubber sheets.  
(10Mks)  
(b) What is butadiene? (Mks)
3. (a) What is marketing size of wood? (5Mks)  
(b) Explain from harvesting to the production of marketable size of wood for usage.  
(10Mks)
4. (a) What is throwing in ceramics production? (5Mks)  
(b) Explain the three classes of clay used for utensils. (Mks)
5. (a) What is metallurgy (5Mks)  
(b) Explain the three stages of metal. operations (10Mks)
6. (a) What is polymerization? (5Mks)  
(b) Explain the three sections of plastic industry. (10Mks)