

4/1/2021

**FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI**  
**SCHOOL OF ENGINEERING AND ENGINEERING TECHNOLOGY**  
**DEPARTMENT OF POLYMER AND TEXTILE ENGINEERING**

2019/2020 HARMATTAN SEMESTER EXAMINATION

PTE 403: QUALITY CONTROL

DATE: 13/02/2021

INSTRUCTION: ANSWER ANY FIVE (5) QUESTIONS.

TIME 2.30 h

- Q1. (a) Write briefly on quality and quality control.  
(b) Enumerate six (6) advantages of quality control.  
(c) State the difference between quality circle and total quality management
- Q2. (a) List six (8) elements of effective statistical quality control.  
(b) Describe briefly any three (3) patrol inspection methods.  
(c) Define the term standard and outline the importance of keeping standard.
- Q3. (a) Describe the four (4) main stages in a proper system of quality control.  
(b) State the main reason for controlling quality.
- Q4 (a) With the aid of a diagram show the five main parts of an electronic yarn Cleaner.  
(b) State the purpose of yarn cleaning during winding operation
- Q5. (a) Define the term "Quality assurance:  
(b) What are the aims of on-line process control in sizing operation
- Q6 (a) List five important fiber properties that determine the character of cotton fibers.  
(b) Simply describe two terms used to determine the quality or grade of cotton fibers in the blow.