



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**Plot 91, Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi-Abuja**  
**Faculty of Management Sciences**  
**October/November 2016 Examination**

**COURSE CODE: BUS 801**

**COURSE TITLE: Production and Operations Management**

**CREDIT UNIT: 2**

**TIME ALLOWED: 2 Hours**

**INSTRUCTIONS:**

- 1. Attempt question number one (1) and any other (2) questions.**
- 2. Question number 1 carries 30 marks, while the other two (2) questions carry 20 marks each.**
- 3. Present all your points in coherent and orderly manner.**

1a. Discuss how business organisations compete with themselves in a variety of ways. **(10marks)**

b. Operations managers usually consider five common process decisions. Discuss? **(10marks)**

c. List and discuss the five (5) factors that need to be considered before site-selection decisions are made. **(10marks)**

2a. Discuss the benefits and requirements of Material requirements planning. **(10marks)**

b. Compare and contrast two main classes of forecasting methods. **(10marks)**

3a. Discuss briefly four basic steps of graphic analysis. **(10marks)**

b. Suppose Tijani and Osot. Ltd assembled television sets. It purchases 3,600 black and white picture tubes a year at #65 each. Ordering costs are #31, and annual carrying costs are 20 percentage of the purchase price. Compute the optimal quantity and the total annual cost of ordering and carrying the inventory. **(10marks)**

4a. Describe the two basic approaches to job design **10marks**

b. Discuss types and effects of Supplier Relations. **10marks**

5a. Define the nature of supply-chain management for both manufacturers and service providers. **(10marks)**

b. Discuss three corporate strategy set by management via strategic alternatives. **(10marks)**