



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI, ABUJA**  
**FACULTY OF MANAGEMENT SCIENCES**  
**2023 2 EXAMINATIONS—**

**COURSE CODE: BUS801**

**Credit Units: 2**

**COURSE TITLE: Production and Operations Management**

**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. Time study methods consists of four (4) steps. Discuss 20marks**

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

**2a. Discuss briefly four (4) basic steps of graphic analysis. 10marks**

**b. Discuss five (5) ways managers use standard time on work measurement. 10marks**

**3. Use quantitative methods to decide on site-selection. 20marks**

**4a. Discuss the three (3) categories of Motion Study Principles. 15marks**

**b. Mention five (5) steps involved in conducting work methods 5marks**