



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**96 CADASTAL ZONE NNAMDI AZIKIWE WAY, JABI - ABUJA**  
**FACULTY OF MANAGEMENT SCIENCES**  
**JANUARY/FEBRUARY EXAMINATION**

**Course Code:** BUS 317

**Credit Unit:** 3

**Course Title:** Production Management

**Time Allowed:** 3 Hours

**Instructions:**

- 1. Attempt question number one (1) and any other three (3).**
- 2. Question number 1 is compulsory and carries 25 marks while the other carry 15 marks each.**
- 3. Present all your points in coherent and orderly manner.**

1. (a) What is production engineering? (5 marks)  
(b) Identify the key aspects of production, and explain them briefly. (10 marks)  
(c) Discuss the major constraints of production policy. (10 marks)
  
2. (a) Discuss five types of operations control. (7.5 marks)  
(b) Distinguish between centralized inspection and floor inspection. (7.5 marks)
  
3. (a) Discuss the prime responsibilities of the planning and control department (5 marks)  
(b) Highlight the main tasks of progress control. (4 marks)  
(c) Distinguish between work measurement and method study with examples. (6 marks)
  
3. (a) Distinguish between simplification and standardization. (4 marks)  
(b) Differentiate between specialization and diversification. (4 marks)  
(c) Why do organizations embark on diversification? (3 marks)  
(d) Production function exists in all types of industry. Discuss. (4 marks)
  
4. (a) Discuss the key decisions to be made in equipment design. (5 marks)  
(b) Discuss the merits of process and product layout. (5 marks)  
(c) Define work measurement and discuss its techniques. (5 marks)
  
5. (a) Discuss the factors to be considered when selecting plant and equipment. (5 marks)  
(b) Outline the responsibilities of the specialist staff that are involved in maintenance. (5 marks)  
(c) Highlight the objectives of method study. (5 marks)