



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS**  
**SCHOOL OF MANAGEMENT SCIENCES**  
**JUNE 2013**

**Course Code: ENT 417**

**Credit**

**Unit: 2**

**Course Title: Production Management I**

**Time Allowed: 2 Hours**

**Instructions:**

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

1. (a) Discuss the key decisions to be made in equipment design.

(5 marks)

(b) Identify and explain five types of operations control.

(10 marks)

(c) Discuss the merits of process and product layout.

(5 marks)

(d) Define work measurement and discuss its techniques.

(10 marks)

2. (a) What is production engineering?

(3 marks)

(b) Identify the key aspects of production, and explain them briefly.

(9 marks)

(c) Discuss the major constraints of production policy.

(8 marks)

3. (a) Discuss the prime responsibilities of the planning and control department

(6 marks)

(b) Highlight the main tasks of progress control.

(4 marks)

(c) Distinguish between centralized inspection and floor inspection.

(4 marks)

(d) Distinguish between work measurement and method study with examples.

(6 marks)

4. (a) Discuss the factors to be considered when selecting plant and equipment.

(10 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)

5. (a) Distinguish between simplification and standardization. (4 marks)

(b) Differentiate between specialization and diversification. (4 marks)

(c) Why do organizations embark on diversification? (5 marks)

(d) Production function exists in all types of industry. Discuss. (7 marks)