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**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

# University Examinations 2015/2016

**YEAR IV SEMESTER II EXAMINATION FOR THE DEGREE OF BACHELOR OF BUSINESS INFORMATION TECHNOLOGY**

# HBC 2402 PRODUCTION AND OPERATIONS MANAGEMENT

**DATE: AUGUST, 2016**  **TIME: 2 HOURS**

**INSTRUCTIONS: Answer Question ONE and Any Other TWO Questions.**

**Question One – 30 Marks**

a) Explain the following: [2 marks each]

1. Production function
2. Operation management
3. Operation planning
4. Strategy
5. Layout

b) With relevant example discuss the management function as used in production operation and management. [10 marks]

c) Explain the challenges manufacturing firms face in suing IT in their production. [10 marks]

**Question Two – 20 Marks**

a) Discuss the decision making process in each explain the role of the manager. [15 marks]

b) Types of decisions used in institutions. [5 marks]

**Question Three – 20 Marks**

a) Explain what you understand by job design in that discuss the major design available in industrial organizations. [10 marks]

b) Discuss the concept of operations management by explaining its importance in manufacturing organizations.

**Question Four – 20 Marks**

a) In detail the relationship between production management and general management. [10 marks]

b) Production planning is key to away institution discuss. [10 marks]

**Question Five – 20 Marks**

a) Explain the main challenges of developing a firm layout. [10 marks]

b) In detail discuss the process of production planning. [10 marks]