



UGANDA BUSINESS AND TECHNICAL EXAMINATIONS BOARD
Business and Humanities Certificate Examinations

NOV-DEC 2021 SERIES

PROGRAMME
NATIONAL CERTIFICATE IN BUSINESS ADMINISTRATION

PAPER NAME
FUNDAMENTALS OF PRODUCTION MANAGEMENT

PAPER CODE
NCBA213

YEAR II, SEMESTER I

2½ HOURS

MONDAY, 24TH JANUARY, 2022

INSTRUCTIONS TO CANDIDATES

1. This paper consists of **two** sections **A** and **B**.
2. Section **A** is compulsory and carries **20** marks.
3. Section **B** consists of **six** questions. Answer only **four** questions from this section.
4. All questions carry equal marks.
5. All answers to each question should begin on a fresh page.
6. **Do not** write on the question paper.
7. All answers and rough work should be done in the official answer booklet provided.
8. Read other instructions on the answer booklet.

SECTION A - (20 MARKS)

Answer all questions in this section.

Question One

- (a) Define **plant layout** as used in production management. (02 marks)
- (b) Outline **two** managerial policies that influence a good plant layout. (02 marks)
- (c) State **two** disadvantages of mass production. (02 marks)
- (d) Distinguish between **continuous** and **cellular** types of production. (04 marks)
- (e) Give **two** merits of using product life cycle in production management. (02 marks)
- (f) State **two** ways of controlling waste in production process. (02 marks)
- (g) Outline **two** benefits of inspection in quality controls. (02 marks)
- (h) Identify **two** factors that affect quality of goods in the production process. (02 marks)
- (i) State **two** types of inventory held in production facility. (02 marks)

SECTION B - (80 MARKS)

Answer only four questions from this section.

Question Two

A firm dealing in the processing of food products has six departments namely; production, accounting and finance, marketing and sales, human resource management, stores and procurement.

- (a) Explain **five** functions that will be performed by the production department. (10 marks)
- (b) Discuss the relationship between the production department and the other five departments. (10 marks)

Question Three

The application of economic order quantity technique of inventory control has raised a number of concerns from the users.

- (a) Explain **five** assumptions of the above technique. (10 marks)
- (b) Discuss **five** challenges associated with its application. (10 marks)

Question Four

Dodiko, a businessman in Ntungamo would like to start up a fruit processing plant. He has consulted you for advice on how to come up with a plant layout

- (a) Discuss **five** factors that should be put into consideration when determining location of a fruit processing plant. (10 marks)
- (b) Explain **five** benefits that Dodiko is likely to enjoy from developing an appropriate plant layout. (10 marks)

Question Five

The management of Rokoma manufacturing firm has often complained of waste in the production operations.

- (a) Identify **four** categories of waste likely to be accumulated in the manufacturing process. (08 marks)
- (b) Explain **six** production practices that result into generation and accumulation of the waste in 5(a). (12 marks)

Question Six

KT Animal Feeds Limited would like to introduce quality control measures in the company's production operations. The management is collecting information that will help in the implementation of the measures.

- (a) Explain **five** benefits of adopting such measures in the production process. (10 marks)
- (b) Discuss **five** techniques that management should employ to ensure successful implementation of the proposed measures. (10 marks)

Question Seven

Over the past two months, centre stores experienced a variation in demand for its products. The management has since then resolved to adopt forecasting as a strategy to meet the ever changing demand in its operations.

- (a) Explain **five** reasons that justify the management resolution. (10 marks)
- (b) Discuss **five** challenges that the store is likely to face as a result of implementing the resolution. (10 marks)

END