

TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF BUSINESS

DEPARTMENT OF MANAGEMENT SCIENCE

**UNIVERSITY EXAMINATION FOR:
BACHELOR OF COMMERCE – PROCUREMENT
BPC 4406: INVENTORY MANAGEMENT**

END OF SEMESTER EXAMINATION

ORDINARY PAPER

SERIES: AUGUST2019

TIME:3HOURS

DATE:Pick Date2019

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of five questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

Question ONE (COMPULSORY) – 30 Marks

- a) You have been appointed as a new warehouse manager in a multinational company. Look at the operation and explain how it works in relation to the key principals of warehouse design. **[10 marks]**

- b) Explain factors need to be considered when determining the size of a marshaling areas. **[10 marks]**

- c) Explain five economic impact of a poor safety record. **[10 marks]**

Question Two

- a) In any picking operation there will be a tradeoff between the need to stock the full range of products in a small an area as possible and holding quantities that minimize replenishment. A balance between the two needs to be struck. Its warehouse manager explain five objectives of picking operations. **[10 marks]**

- b) Explain **five** importance principle of risk prevention. **[10 marks]**

Question Three

- a. Write short notes on these terms in production scheduling and control systems.

i) “Push” and “Pull” system

[10 marks]

ii) Depended and independent demand.

[10 marks]

Question Four

Discuss ABC analysis and how it is used in the inventory management.

[20 marks]

Question Five

Discuss the Advantages and Disadvantages of radio frequency identification (RFID) applications in inventory management.

[20 marks]