PAN AFRICAN CHRISTIAN UNIVERSITY (PAC)

EXAMINATION 2020

DEGREE IN BACHELOR IN BUSINESS LEADERSHIP.

CPS302: LOGISTICS AND SUPPLY CHAIN MANAGEMENT

DATE: DECEMBER 2020 TIME: 2 HOURS

SECTION A: COMPULSORY

QUESTION ONE (10mks)

a) Define the following terms
   i. Material flow (1mks)
   ii. Logistics (1mks)
   iii. Supply chain management (1mks)
   iv. Operations Management (1mks)

b) Discuss THREE ways logistics cost can be represented (3mks)

c) Describe the supply chain network (3mks)

SECTION B: ANSWER ANY THREE QUESTIONS

QUESTION TWO (10mks)

a) Explain the concept of lean thinking (2mks)

b) It is possible to sort value adding and non-value-adding activities (transport, store, inspect and delay). Lean thinking goes further by adding three more types of 'waste' to make seven in all. Discuss some of the FOUR wastes (4mks)

c) Discuss FOUR aspects of agile supply chain management (4mks)

QUESTION THREE (10mks)

a) Define supply chain game plan (1mks)

b) The purpose of a manufacturing planning and control (MPC) system is to meet customer requirements by enabling managers to make the right decisions. The system coordinates information on key 'source–make–deliver' processes to enable material to flow efficiently and effectively. THREE-time horizons are involved for all of these processes. Discuss (3mks)

c) In 2019, ABC Ltd anticipated a demand of 60,000 units of khaki trousers. The purchasing department established with the supplier that each order would cost Kes

1,000 per 3,000 units of khaki and a cost of Ksh 250 per khaki. The carrying cost per unit was 0.2% of the cost of each unit of khaki. Determine the following

i. The total holding cost (1mks)

ii. Total ordering cost (1mks)

iii. Total cost of inventory (1mks)

iv. EOQ (3mks)

QUESTION FOUR (10mks)

a) Discuss 4 ways in which a market can be segmented (4mks)

b) When competing through logistics, discuss

i. The soft objectives (3 mks)

ii. The hard objectives (3 mks)

QUESTION FIVE (10mks)

a) Describe THREE logistical implications of firm internationalization (3mks)

b) Discuss THREE differences between forward and reverse logistics (3mks)

c) Explain the FOUR types of supply relationship that a company can adopt (4mks)

QUESTION SIX (10mks)

a) Define P and D times (2mks)

b) Discuss FOUR ways in which customers needs can better be met when time is optimally utilized by the companies (4mks)

c) Explain FOUR emerging trends in logistics and supply chain management (4mks)