KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS

MAIN EXAMS

2022/2023 ACADEMIC YEAR

FOR THE DEGREE OF BACHELOR OF BUSINESS MANAGEMENT

THIRD YEAR SECOND SEMESTER

COURSE CODE: BBL 328

COURSE TITLE: ICT FOR LOGISTICS

DATE: 21/04/2023   TIME: 9:00-11:00AM

INSTRUCTIONS TO CANDIDATES
1) Answer Question **ONE**(Compulsory) and **ANY OTHER TWO** Questions
2) Candidates must hand in their answer booklets to the invigilator while in the examination room
3) Credit is given for legibility, clarity and use of relevant examples
4) Question **ONE** is **30 marks** while Questions **2-5** carry **20 marks** each
5) Clearly write your **Registration Number** on each answer sheet used

TIME: 2 Hours

KIBU observes **ZERO** tolerance to examination cheating

QUESTION ONE

KALULUTEI CORPORATION CASE STUDY

Kalulutei Corporation is a large manufacturing company that specializes in producing automotive parts. The company has been in business for over 50 years and has a wide range of customers, including major car manufacturers and smaller aftermarket parts distributors. In recent years, Kalulutei Corporation has struggled to keep up with the increasing demand for their products and has faced a number of logistical challenges in their supply chain management. In an effort to improve efficiency and streamline their operations, the company has decided to implement Electronic Data Interchange (EDI) in their logistics management.

Kalulutei Corporation currently relies on paper documents and manual processes to manage their supply chain. This includes sending purchase orders and invoices via mail or email and manually tracking inventory levels. This method is time-consuming and prone to errors, leading to delays in the ordering and shipping process. Additionally, the company struggles to maintain accurate inventory levels, resulting in stockouts and overstocking of certain products.

To address these issues, Kalulutei Corporation has decided to implement EDI in their logistics management. EDI is a method of exchanging business documents between organizations electronically, rather than using paper documents or email. This will allow the company to automate the process of sending and receiving purchase orders, invoices, and shipping notices. By using EDI, the company will be able to cut down on errors and delays caused by manual data entry and improve the speed and accuracy of their supply chain.

EDI will also allow Kalulutei Corporation to integrate their inventory management system with their suppliers' systems. This will enable real-time tracking of inventory levels, allowing the company to more effectively manage their stock and avoid stockouts and overstocking. Additionally, EDI will allow the company to more easily track the status of shipments and quickly resolve any issues that may arise.

The implementation of EDI in logistics management will bring a number of benefits to Kalulutei Corporation. The automation of the ordering and shipping process will significantly reduce the potential for errors and delays, resulting in improved efficiency and faster delivery times for customers. Additionally, the integration of inventory management systems with suppliers will allow for more accurate tracking of inventory levels, resulting in better management of stock and cost savings.

However, the implementation of EDI will also come with its own set of challenges. One of the main challenges is the cost of implementation, which can be significant. Additionally, the company may face technical difficulties during the implementation process, such as integrating their systems with those of their suppliers. There may also be resistance from employees who are used to the manual processes and may be reluctant to change.

On the other hand; Kalulutei Corporation Logistics Limited is a global logistics company that specializes in the transportation and delivery of goods for various industries, including retail, manufacturing, and healthcare. In recent years, the company has experienced significant growth and an increase in competition in the logistics industry. To remain competitive, Kalulutei Corporation Logistics Limited decided to invest in information technology (IT) to improve its operations and customer service.

The company implemented a number of IT solutions, including: A transportation management system (TMS) to optimize routing and scheduling of deliveries; A warehouse management system (WMS) to track inventory and improve warehouse efficiency; A customer

QUESTION THREE

   a. Discuss the technologies that make the intelligent transport system to function appropriately. [10 marks]

   b. Describe the popular approaches to formulating e-Business logistics plan. [10 marks]

QUESTION FOUR

   a. Describe the solutions a 'warehousing management system' can offer to both inbound and outbound logistics.[10 marks]

   b. What is the contemporary application of radio-frequency identification (RFID) in the logistics management pipeline? [10 marks]

QUESTION FIVE

   a. With the aid of examples, discuss salient characteristics of cloud logistics. [10 marks]

   b. Explain the influence of artificial intelligence and machine learning in logistics operations management. [10 marks]