



**UNIVERSITI KUALA LUMPUR
MALAYSIAN INSTITUTE OF INDUSTRIAL TECHNOLOGY**

**FINAL EXAMINATION
JANUARY 2016 SEMESTER**

COURSE CODE : JLB 22002
COURSE TITLE : APPLIED E-LOGISTICS
PROGRAMME LEVEL : BACHELOR
DATE : 29 MAY 2016
TIME : 9.00 AM – 12.00 PM
DURATION : 3 HOURS

INSTRUCTIONS TO CANDIDATES

1. Please read the instructions given in the question paper **CAREFULLY**.
2. This question paper is printed on both sides of the paper.
3. This question paper consists of **TWO (2)** sections.
4. Answer **ALL** questions in Section A. Choose **THREE (3)** questions in section B.
5. Please write your answers on the answer booklet provided.
6. Please answer all questions in English only.

THERE ARE 4 PAGES OF QUESTIONS EXCLUDING THIS PAGE.

SECTION A (Total: 40 marks)

INSTRUCTION: Answer ALL questions.
 Please use the answer booklet provided.

Question 1

Radio Frequency Identification (RFID) is one of the most efficient technologies for tracking system to ease complex logistics processes and make them more effective. A lot of heavy and manufacturing industries have implemented this technology, and by far resulting in a lot of advantages.

Describe **FIVE (5)** advantages of RFID in logistics management

(15 marks)

Question 2

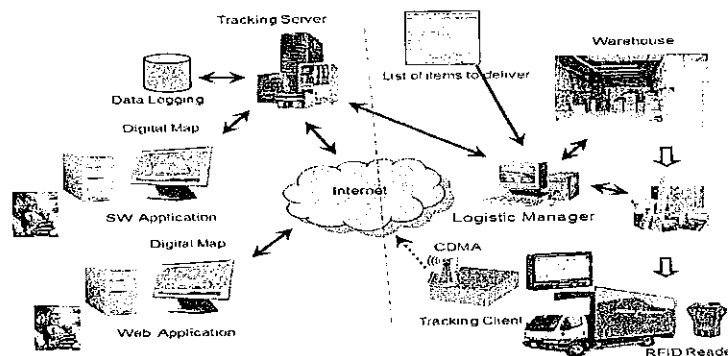


Figure 1: Logistics system in transport and warehouse operations

Web service is a technology to facilitate the development and deployment of service logistics software solutions. There are some issues that need to be overcome in order to serve the user i.e. Logistics Service Provider (LSP) with web based application e.g. e-procurement, transport solution etc. Figure 1 is to illustrate the e-logistics system in transport and warehouse operations.

Outline **FIVE (5)** web service issues that need to be addressed.

(15 marks)

Question 3

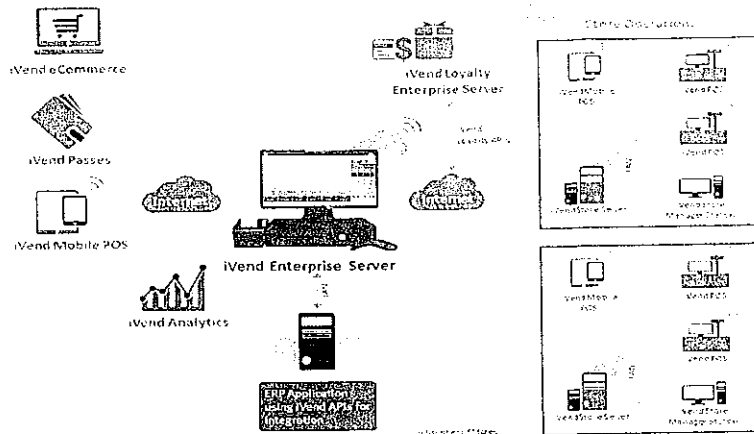


Figure 2: E-Logistics that use computer mediated-network

E-Commerce is usually associated with buying and selling over the internet, or conducting any transaction involving the transfer of ownership or right to use goods or service through a computer-mediated network. The adoption of e-commerce would benefit business activity in many ways. Figure 2 is to illustrate e-Logistics that use computer mediated-network in e-commerce adoption

Explain **FIVE (5)** benefits of e-commerce adoption.

(10 marks)

SECTION B (Total: 60 marks)

INSTRUCTION: Answer THREE (3) questions only

Please use the answer booklet provided.

Question 1

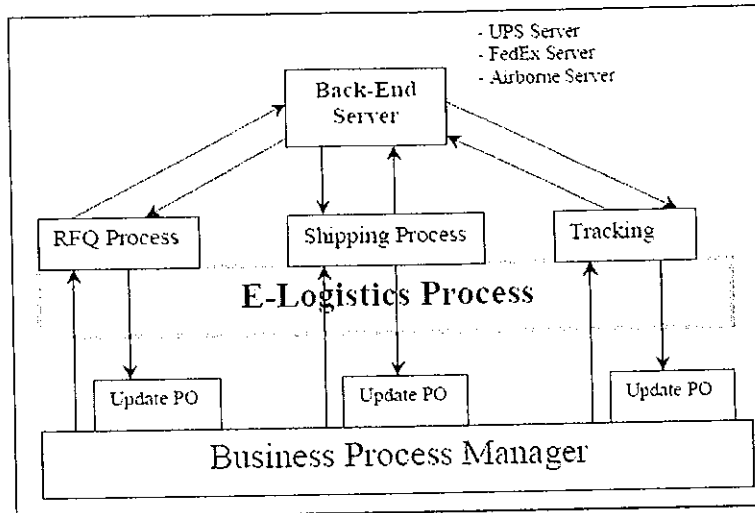


Figure 3: High-Level View of E-Logistics Processes Integration Framework (ELPIF)

The interaction between the E-Logistics Processes Integration Framework (ELPIF) processes and business process manager that orchestrates e-logistics processes in an e-business solution. Figure 3 is to show the ELPIF that can be adapted in logistics activity. Apply the E-Logistics Processes Integration Framework (ELPIF) in the context of logistics activity.

Create **THERE (3)** e-business offerings in logistics activity using the ELPIF platform.

(20 marks)

Question 2

With the development of e-business and supply chain management, more and more logistic facilitators become the coordinators in the integrated supply chain. For overcoming the disconnection of information in the supply chain, the e-logistics based on information platform has appeared.

Discuss e-logistics definition with an example.

Explore **FOUR (4)** e-logistics elements.

(20 marks)

Question 3

In e-business, Information and Communication Technology (ICT) is used to enhance one's business. It includes any process that a business organization conducts over a computer network.

Discuss e-business with example.

Analyse **THREE (3)** primary processes are enhanced in e-business.

(20 marks)

Question 4

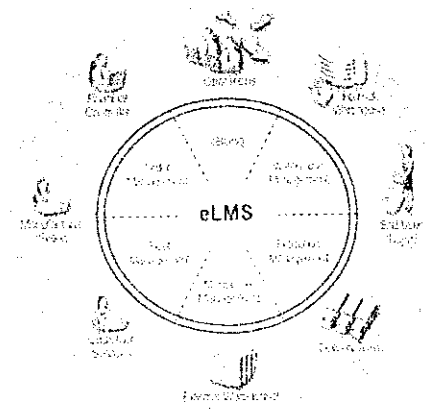


Figure 4: Example of e-logistics business model.

E-Logistics business diverse with the thirteen of logistics elements those are warehousing, transportation, distribution, forecasting, customer service and others. There are challenges to stay competitive in e-logistics business. Figure 4 is to illustrate e-logistics business model. Examine **FIVE (5)** challenges that are faced by the e-Logistics Service Provider (eLSP) to enter global market.

(20 marks)

END OF EXAMINATION PAPER

