

**FINAL EXAMINATION****BACHELOR OF ACCOUNTANCY (HONOURS)**

COURSE	: ACCOUNTING SYSTEM ANALYSIS AND DESIGN
COURSE CODE	: AIS3053
DURATION	: 3 HOURS

INSTRUCTIONS TO CANDIDATES:

1. This question paper consists of **FIVE (5)** questions.
2. Answer **ALL** questions in the Answer Booklet provided.
3. Please check to make sure that this examination pack consists of:
 - i. The Question Paper
 - ii. An Answer Booklet
4. Do not bring any material into the examination hall.
5. Please write your answer using permanent ink.

MYKAD/PASSPORT NO : _____

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SECTION : _____

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This question paper consists of 6 printed pages including the front page

QUESTION 1

- a. Liga Appliances Sdn. Bhd. is a medium-sized company that manufactures household electrical products. The company currently uses a mix of manual and basic computerized systems to manage sales, inventory, production, and finance. Management plans to expand the business and improve operational efficiency. Therefore, the company intends to align its corporate strategic plan with a new Information Systems (IS) plan to support future growth, automation, and better decision-making.

Required:

Justify **FIVE (5)** reasons why the company needs to align Corporate Strategic Planning with Information Systems Planning before implementing new systems, using suitable examples based on the company's situation.

(10 marks)

- b. FreshMart Sdn. Bhd. is a retail supermarket company that currently manages sales, inventory, and customer records using separate manual and basic computer systems. This often causes delays in processing information, stock inaccuracies, and customer service complaints. To improve operations and service quality, prevent stock shortages, and enhance decision-making, the company plans to develop a new integrated Information System covering sales, inventory, and customer management. The new system is also expected to provide intangible benefits.

Required:

Explain **FIVE (5)** intangible benefits that FreshMart Sdn. Bhd. may gain from the development of the new integrated Information System.

(10 marks)

(Total: 20 marks)

QUESTION 2

- a. CityCourier Sdn. Bhd. is a logistics and parcel delivery company that operates nationwide. The company manages parcel collection, delivery scheduling, customer records, and payment processing using separate systems across departments. Due to rapid business growth, the company now faces delivery delays, data inconsistencies, poor coordination between departments, and customer complaints regarding parcel tracking and delivery status. Management plans to develop an integrated Delivery Management Information System to improve operational efficiency and service reliability.

Required:

Analyse **FIVE (5)** information requirements that systems analysts must understand before developing the new integrated Delivery Management Information System for CityCourier Sdn. Bhd.

(10 marks)

- b. QuickDine Sdn. Bhd. is a restaurant chain operating several outlets across Malaysia. Each outlet currently uses different systems to manage orders, inventory, and billing. As a result, management faces difficulties in monitoring sales performance, controlling stock usage, and maintaining consistent service quality across outlets.

To standardize operations and improve efficiency, the company plans to develop an integrated Restaurant Management Information System. To ensure that system requirements are properly identified, the company decides to conduct Joint Application Design (JAD) sessions involving managers, system analysts, and outlet staff.

Required:

Describe **FIVE (5)** advantages of the Joint Application Design (JAD) approach used in developing the new integrated Restaurant Management Information System for QuickDine Sdn. Bhd.

(10 marks)

(Total: 20 marks)

QUESTION 3

StarPro Sports Sdn. Bhd. supplies sports equipment to small enterprises in the Selangor area. The cash receipts process of the company is as follows:

The Accounts Receivable Department receives payment from customers in the form of cheques or bank transfer notifications. The accounts receivable clerk records the payment in the accounts receivable subsidiary ledger. Once recorded, the payment details are forwarded to the cash receipts clerk for processing.

The clerk prepares a bank deposit slip and submits the receipts together with supporting documents to the treasurer. After verifying the amount received, the treasurer approves and deposits the funds into the company's bank account. A copy of the deposit slip and receipt documents is then returned to the clerk for filing purposes.

The receipt documents are used to update records in the cash receipts journal. The treasurer keeps copies of the deposit records in the cash receipts file. Every Friday, the accounts receivable clerk posts collections from the cash receipts journal to the accounts receivable subsidiary ledger. At the end of the month, the accounts receivable clerk generates a cash receipts report and forwards it to the manager.

Required:

- a. Illustrate the intermediate Data Flow Diagram (DFD) that represents the current process of handling cash receipts at StarPro Sports Sdn. Bhd.
(10 marks)
- b. Describe **FIVE (5)** system-based internal control measures that should be implemented in the cash receipts system of StarPro Sports Sdn. Bhd. to ensure data accuracy, prevent fraud, and safeguard company resources.
(10 marks)

(Total: 20 marks)

QUESTION 4

- a. AutoParts Manufacturing Sdn. Bhd. is a company producing automotive spare parts for local distributors. The company currently uses an outdated system to manage production scheduling, inventory, and sales orders, resulting in frequent stock shortages and delayed deliveries.

To improve operational efficiency, the management plans to purchase a new integrated manufacturing software system. Before making a decision, the company must carefully evaluate available software packages to ensure they meet operational and business requirements.

Required:

Evaluate the **FIVE (5)** factors that AutoParts Manufacturing Sdn. Bhd. should consider when selecting new manufacturing software.

(10 marks)

- b. Mega Construction Bhd. manages multiple construction projects across Malaysia. Currently, project progress reports, material usage, worker attendance, and payment records are handled using separate spreadsheets and manual documents across project sites.

Due to poor data coordination, management often receives delayed or inaccurate project information, resulting in cost overruns, material shortages, and project delays. To overcome these issues, the company plans to develop a new Project Management Information System to integrate data from all construction sites.

However, careful physical system design is required to ensure the new system functions effectively across all project operations.

Required:

Explain the components involved in the Physical Systems Design required for developing the new Project Management Information System for Mega Construction Bhd.

(10 marks)

(Total: 20 marks)

QUESTION 5

- a. MedCare Sdn. Bhd. operates several medical clinics across different cities. Currently, patient registration, appointment scheduling, billing, and medical record management are handled manually or using separate systems at each clinic.

As the business expands, clinics face problems such as lost patient records, appointment overlaps, billing errors, and slow service delivery. To overcome these issues, management decides to implement a centralized Clinic Management Information System across all branches.

However, implementing the new system is challenging because operations must continue without disrupting patient services while staff adapt to the new system.

Required:

Explain the **FIVE (5)** activities involved in Systems Implementation and Conversion when introducing the new Clinic Management Information System at MedCare Sdn. Bhd.

(10 marks)

- b. eShopPlus Sdn. Bhd. is an online retail company that recently implemented a new E-Commerce Information System to manage online orders, payments, inventory, and delivery coordination.

Although the system has been operating for six months, the company still receives customer complaints about delivery delays, payment errors, and slow customer service responses. Some employees also face difficulties using the new system, and management is unsure whether the system is delivering expected benefits.

Therefore, the company decides to conduct a post-implementation review to evaluate system performance and identify improvements needed.

Required:

Evaluate **FIVE (5)** factors that eShopPlus Sdn. Bhd. should investigate during the post-implementation review of its new E-Commerce Information System.

(10 marks)

(Total: 20 marks)

(TOTAL: 100 MARKS)

END OF QUESTION PAPER