

SECTION B: 70 MARKS
BAHAGIAN B: 70 MARKAH

INSTRUCTION:

This section consists of **THREE (3)** structured questions. Answer **ALL** questions.

ARAHAN:

*Bahagian ini mengandungi **TIGA (3)** soalan berstruktur. Jawab semua soalan.*

QUESTION 1

SOALAN 1

- CLO1
C1
- (a) State **TWO (2)** types of information system
*Nyatakan **DUA (2)** jenis sistem maklumat.*
- [2 marks]
[2 markah]
- CLO1
C2
- (b) Explain **TWO (2)** disadvantages of Agile methods.
*Terangkan **DUA (2)** kelemahan kaedah Agile.*
- [4 marks]
[4 markah]
- CLO1
C2
- (c) Explain **TWO (2)** differences between Management Information System (MIS) and Decision-Support System (DSS).
*Terangkan **DUA (2)** perbezaan antara Sistem Maklumat Pengurusan (MIS) dan Sistem Sokongan Keputusan (DSS).*
- [4 marks]
[4 markah]

CLO1
C2

(d)

A popular fact-finding technique that brings users into the development process as active participants.

A team usually meets over a period of days or weeks to analyze the existing system, obtain user input and expectations, and document user requirements for the new system

Explain **TWO (2)** advantages of SDLC that are described in statement above.

Terangkan **DUA (2)** kelebihan SDLC yang diuraikan dalam pernyataan di atas.

[4 marks]

[4 markah]

CLO1
C3

(e)

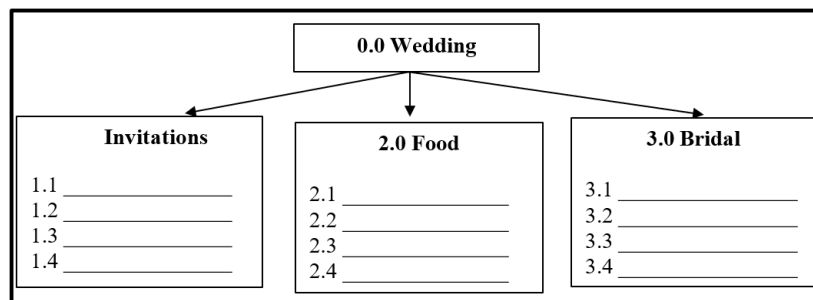


Figure B1(e) / Rajah B1(e)

- Shop for shoes
- Have the tailoring and fitting done
- Shop for dress
- Find caterer
- Cater the wedding
- Create guest list
- Wait for RSVPs
- Mail the invitations
- Finalize the menu
- Print the invitations
- Choose the bouquet
- Test the menu

Complete the Work Breakdown Structure (WBS) based on Figure B1(e) above.

Lengkapkan Struktur Pecahan Kerja (WBS) berdasarkan Rajah B1(e) di atas.

[3 mark]

[3 markah]

CLO1
C2

(f)

Systems Request Summary:

Two problems were mentioned in the request: incorrect deductions from employee stock purchase deductions to the payroll department. It is likely that data errors occur during this process. Although the errors are corrected, we believe that incorrect payroll information adversely affects employee morale

Explain **TWO (2)** preliminary investigation finding based on the statement above
Terangkan DUA (2) dapatan penilaian awalan berdasarkan pernyataan di atas.

[4 mark]

[4 markah]

CLO1
C3

(g)

- | | |
|---|---|
| <ul style="list-style-type: none">• Present results and recommendations to managements• Define the project scope and constraints• Analyze project usability, cost, benefit, and schedule data | <ul style="list-style-type: none">• Evaluate feasibility• Perform fact finding• Understand the problem or opportunity |
|---|---|

Modify the arrangement of steps in preliminary investigation above according to the correct flow of the steps.

Ubah suai susunan langkah dalam penyiasatan awal di atas mengikut aliran langkah yang betul.

[4 mark]

[4 markah]

QUESTION 2

SOALAN 2

CLO1
C2

(a) (i) Give **TWO (2)** examples of system requirement checklist output for the attendance system.

Beri DUA (2) contoh senarai semak keperluan sistem output untuk sistem kehadiran.

[2 marks]

[2 markah]

(a) (ii) Give **TWO (2)** examples of Corrective Maintenance

Beri DUA (2) contoh Penyelenggaraan Pembetulan

[2 marks]

[2 markah]

CLO1 C2	<p>(b) The system analyst at Mesin Niaga Sdn. Bhd. are considering the four-model approach to system development for a new client. Give ONE (1) advantage and disadvantage of using the Four-Model Approach.</p> <p><i>Penganalisa Sistem di Mesin Niaga Sdn. Bhd. mempertimbangkan untuk mengguna pendekatan empat-model bagi pembangunan sistem bagi pelanggan baru. Beri SATU (1) kelebihan dan kekurangan menggunakan Pendekatan Empat-Model ini.</i></p>	[4 marks] [4 markah]
CLO1 C2	<p>(c) Explain TWO (2) activities in step five of the interview process.</p> <p><i>Terangkan DUA (2) aktiviti dalam langkah kelima proses temuduga.</i></p>	[4 marks] [4 markah]
CLO1 C2	<p>(d) Explain TWO (2) advantages of observation techniques used in fact finding.</p> <p><i>Terangkan DUA (2) kelebihan teknik pemerhatian dalam pencarian data.</i></p>	[4 marks] [4 markah]
CLO1 C3	<p>(e) Illustrate Use Case Diagram for restaurant's daily operations base on this situation.</p> <p><i>Ilustrasikan gambar rajah Use Case bagi operasi harian di restoran berdasarkan situasi berikut.</i></p> <ul style="list-style-type: none"> • Waiter receives order from Customer <i>Pelayan terima pesanan dari Pelanggan</i> • Customers pay for food to Cashier <i>Pelanggan membayar makanan kepada Juruwang</i> • Chef cooks food <i>Tukang masak memasak makanan</i> 	[4 marks] [4 markah]

CLO1
C3

(f)

You are staff of Cadbury company. You are assigned by your manager to form a team to collect data about Cadbury's product from people. To do that, you and your team must run interview session to collect the data.

Anda adalah kakitangan syarikat Cadbury. Anda ditugaskan oleh pengurus anda untuk membentuk pasukan untuk mengumpul data tentang produk Cadbury daripada orang ramai. Untuk melakukan itu, anda dan pasukan anda mesti menjalankan sesi temu duga untuk mengumpul data.

From the above situation, write 5 open-ended questions to collect data from people.

Daripada situasi di atas, tulis 5 soalan terbuka untuk mengumpul data daripada orang ramai.

[5 marks]

[5 markah]

QUESTION 3

SOALAN 3

CLO1
C1

(a) State **TWO (2)** user interface components when you design an interface.

*Nyatakan **DUA (2)** komponen antara muka pengguna apabila anda mereka bentuk antara muka.*

[2 marks]

[2 markah]

CLO1
C2

- (b) Based on the Customer Details interface in Figure B3(b), answer all the questions below.
Berdasarkan antaramuka Customer Details dalam Rajah B3(b), jawab semua soalan di bawah.

The screenshot shows a 'Customer Details' window with a 'New' tab. It contains several sections of input fields and checkboxes:

- Application Details:** Application Category * (text), Application Number * (text), Application Branch * (text), Application Date * (text), Application Status (dropdown), Application Priority (dropdown with 'LOW' selected).
- Account Details:** Account Branch (text), Account Number (text), and a checkbox for 'Special Account No Generation'.
- Customer Details:** Local Branch * (text), Customer Number * (text), Short Name (text), Full Name (text), and a 'Populate' button.
- Type:** Radio buttons for Individual, Corporate (selected), and Bank.
- Other Options:** Checkboxes for 'Existing Customer', 'Special Customer No Generation', and 'Sanction Check Required for Transaction'.
- SWIFT Code:** A text field.
- Buttons:** 'Ok' and 'Exit' buttons at the bottom right.

Figure B3(b)/Rajah B3(b)

- i) Identify **THREE (3)** types of user input data.

Kenal pasti TIGA (3) jenis data input pengguna.

[3 marks]

[3 markah]

- ii) Identify **TWO (2)** existing check input from the Customer Details interface.

Kenal pasti DUA (2) input semakan kewujudan dari antaramuka Customer Details.

[2 marks]

[2 markah]

CLO1
C3

(c)

Table B3 (c) / Jadual B3 (c)

Validity Rules	Criteria
	Performed on the data which is checked in an orderly or sequential manner. <i>Dilakukan pada data yang disemak secara teratur atau berurutan.</i>
	Check uses only those data items, which are mandatory. <i>Semak hanya menggunakan item data tersebut, yang wajib.</i>
	Ensures that the required data which is to be entered follows a proper format. <i>Memastikan bahawa data yang diperlukan yang akan dimasukkan mengikut format yang betul.</i>

By referring to Table B3(c), relate the criteria with the **CORRECT** validation rules that can be used to reduce input error.

*Dengan merujuk kepada Jadual B3(c), kaitkan kriteria dengan peraturan pengesahan **BETUL** yang boleh digunakan untuk mengurangkan ralat input*

[3 mark]

[3 markah]

CLO1
C3

(d)

KTMB Mobile is a one-stop mobile application for online train ticket booking solutions. User can choose from over 30 location, check train schedules, and book train tickets online through the KTMB Mobile application. The platform revolutionized the process of booking a train ticket online by eliminating the need to queue to buy tickets.

KTMB Mobile ialah aplikasi mudah alih sehenti untuk semua penyelesaian tempahan tiket keretapi dalam talian. Pengguna boleh memilih daripada lebih 30 lokasi, menyemak jadual keretapi, dan menempah tiket keretapi dalam talian melalui aplikasi mudah alih KTMB Mobile. Platform itu merevolusikan proses tempahan tiket keretapi dalam talian dengan menghapuskan keperluan untuk beratur membeli tiket.

Based on the above situation, sketch the pages of user interface for KTMB Booking Train Mobile Application.

Berdasarkan situasi di atas, lakarkan halaman antara muka pengguna untuk Aplikasi Mobil Tempahan Kereta Api KTMB.

[3 mark]

[3 markah]

- CLO1
C2
- (e) Explain **ONE (1)** difference between Unit Testing and Integration Testing.
*Terangkan **SATU (1)** perbezaan antara Pengujian Unit dan Pengujian Integrasi.*
- [4 marks]
[4 markah]
- CLO1
C3
- (f) Hasrul wants to backup the files in his office's information system. Explain **TWO (2)** types of backup method that he could apply if the company runs a small business.
Hasrul ingin membuat sandaran fail dalam sistem maklumat di pejabatnya.
*Terangkan **DUA (2)** jenis kaedah sandaran yang boleh digunakan sekiranya syarikat menjalankan perniagaan kecil-kecilan.*
- [3 marks]
[3 markah]

SOALAN TAMAT