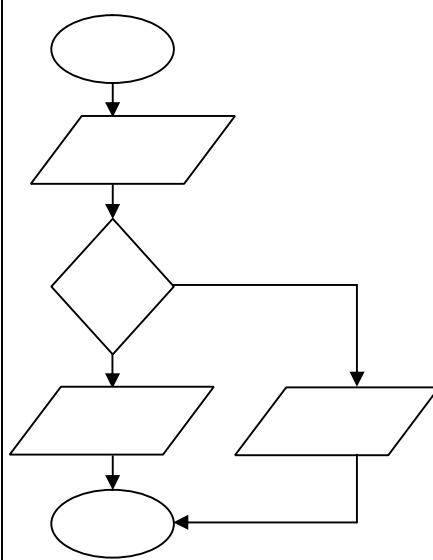
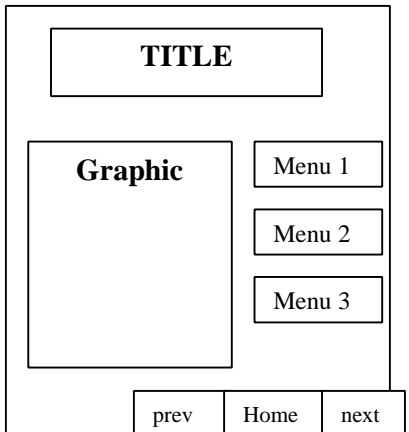


Section A

Question No. No. Soalan		Candidate's answer Jawapan calon	Marks Markah	
1	(i)	Iris scanner / biometric device		1
	(ii)	Biometric devices / iris scanning		2
2		Site blocking		3
3		C		4
4	(i)	C		5
	(ii)	A		6
5		What-if analysis		7
6	(i)	Disk defragmenter		8
	(ii)	Screen saver		9
7		C		10
8		Users can modify the source code / the software is free /		11
9		Protocol		12
10		Twisted-pair / UTP / Unshielded Twisted Pair		13
11	(i)	X (radio waves)		14
	(ii)	Z (infrared)		15
12		B		16
13		Navigation		17
14		What you see is what you get		18
15		Audio Editor		19
16	(i)	Z		20
	(ii)	X		21
17	(i)	Coding		22
	(ii)	Testing and Debugging		23
18	(i)	False		24
	(ii)	False		25
19		B		26
20	(i)	Mathematical		27
	(ii)	Relational		28
21		D		29
22	(i)	MIS / Management Information System		30
	(ii)	Oracle / SQL / Microsoft Access		31
23		Web-based Application		32
24	(i)	Filter		33
	(ii)	Insert		34
25	(i)	Field		35
	(ii)	Record		36

Section B

No	Answer	Mark scheme
26	<p>i Computer system is defined as combination of components designed to process data and store files.</p> <p>ii</p> <ul style="list-style-type: none"> ❖ home user – uses personal computer at home for business, communication, entertainment and education ❖ SOHO user – uses notebook or desktop computers as well as telephone, handphones and PDAs in completing their tasks and communicating work in a small company or work as an individual at home ❖ Power user – works with mini computers that uses design to meet the organizational needs. ❖ Mobile user – works on computers while they are away from their home or main offices ❖ Large business user – uses computers for basic business activities such as preparing bills for millions of customers, preparing payroll and managing thousands of item sin the inventory. 	<p>2 marks</p> <p>2 marks for one computer users with explanation</p> <p>1 mark for correct type of user</p>
27	<p>i Presentation software.</p> <p>Organization chart, rehearse timing, photo album, power point show.....</p> <p>ii Email, web browser, DTP, games, accounting</p>	<p>1 mark</p> <p>1 mark for one feature</p> <p>2 marks for 2 examples.</p>
28.	<p>a S = ring topology U = star topology</p> <p>b</p> <ul style="list-style-type: none"> o Easy implementation. New devices can be added to the backbone or to the existing nodes. o Failure of a node doesn't affect the entire LAN. o No disruptions to the network when connecting or removing devices. o Network can easily be extended, by adding new devices to the backbone or existing nodes. 	<p>1 mark</p> <p>1 mark</p> <p>2 marks for 2 advantages</p>
29	<p>i Flowchart Storyboard</p> <p>ii</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%; border: 1px solid black; padding: 5px;"> <p>Flowchart</p>  </div> <div style="width: 45%; border: 1px solid black; padding: 5px;"> <p>Storyboard</p>  </div> </div>	<p>1 mark</p> <p>1 mark</p> <p>1 mark for each sketch</p>

30	a(i)	<table border="1"> <tr><td>Book</td></tr> <tr><td>Book ID</td></tr> <tr><td>Supplier ID</td></tr> <tr><td>Book title</td></tr> <tr><td>Book author</td></tr> </table>	Book	Book ID	Supplier ID	Book title	Book author	<table border="1"> <tr><td>Supplier</td></tr> <tr><td>Supplier ID</td></tr> <tr><td>Supplier address</td></tr> <tr><td>Supplier name</td></tr> </table>	Supplier	Supplier ID	Supplier address	Supplier name	2 marks for correct table
	Book												
	Book ID												
Supplier ID													
Book title													
Book author													
Supplier													
Supplier ID													
Supplier address													
Supplier name													
(ii)				1 mark for correct relationship line in a(i)									
b	Many to many relationship.			1 mark									

Section C

No.	Answer	Marks scheme
31 a	(i) PC01 has hard disk partitioning. There are 4 partitions.	1 mark if students give both name of PC and number of partition. No mark if student give either one answer.
	(ii) 1. Limits Accidental Or Deliberate Damage Of Your Data Partitioning a disk will store different application into different partitions. If the partition where an application is installed on is corrupted or accidentally deleted, the data in another partition would not be erased. You will only need to recover one partition, which is faster than recovering the entire hard disk. 2. Increases Security Encryption is one of the methods of protecting critical data fro theft or corruption, but it slows down the computer performance. By partitioning the disk, you can encrypt only those partitions that need protection, and other parts of your system will run unencrypted and hence faster 3. Making The Computer Faster A computer can find data faster in a partitioned disk. A computer finds files and directories quicker as it needs to search only one partition, not the whole disk. 4. Organises Information By partitioning a disk, you can organise your data logically. The data is arranged in categories according to different functions or objectives. 5. Increases Productivity Partitioning a disk can increase productivity. You will save time searching for a particular file and may complete some useful tasks.	Reason + explanation = 2 marks 4 marks for 2.

31 b	Action taken: Move to vault Justification: The antivirus will quarantine the infected file. Quarantine is a separate area of hard disk that holds the infected file until the infection can be removed. This ensures other files will not be infected.	Action + justification = 2 marks. No mark if no justification.

<p>32 a</p>	<pre> graph TD Start([Begin]) --> Insert[/Insert mark/] Insert --> Decision{Mark >=40?} Decision -- True --> PrintPass[/Print "Congratulation, you PASS the ICT test"/] PrintPass --> End([End]) Decision -- False --> PrintFail[/Print "Sorry, you FAIL the ICT test"/] PrintFail --> End </pre>	<p>4 marks for complete flow chart.</p> <p>1 mark for correct description 1 mark for correct shape 1 mark for correct arrows</p>				
<p>32 b</p>	<p>Type of error is Syntax error</p> <p>Debug: $dbIBIM = dbIWeight / (dbIHeight * dbIHeight)$ Correct: dbIBMI</p>	<p>1 mark</p> <p>1 mark</p> <p>1 mark</p>				
<p>33 a</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Guest</th> <th style="width: 50%; text-align: center;">Reservation</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> Guest ID (PK) Reservation ID Guest Name Gender Passport No Address Contact No. Email Add </td> <td style="vertical-align: top;"> Reservation ID (PK) Date Check-In Date Check-Out Arrival Time Departure Time Room Type Method of payment </td> </tr> </tbody> </table>	Guest	Reservation	Guest ID (PK) Reservation ID Guest Name Gender Passport No Address Contact No. Email Add	Reservation ID (PK) Date Check-In Date Check-Out Arrival Time Departure Time Room Type Method of payment	<p>3 marks for complete tables + relationship.</p> <p>1 mark for guest table 1 mark for reservation table 1 mark for relationship</p>
Guest	Reservation					
Guest ID (PK) Reservation ID Guest Name Gender Passport No Address Contact No. Email Add	Reservation ID (PK) Date Check-In Date Check-Out Arrival Time Departure Time Room Type Method of payment					

33 b.

HOTEL SELESA							
Guest Report							
Guest ID	Reservation ID	Guest Name	Gender	Passport No	Address	Contact No	Email Add
G001	R002	AAA	M	L00	XXX	XXX	XXX
G002	R009	BBB	F	K00	NNN	MMM	LLL
G003	R014	KKK	M	LL	EEE	FFF	SSS

4 marks for complete report.

1 mark for title and hotel's name

1 mark for correct fields' name

1 mark for 3 guest records.

1 mark for report appearance