

**ANSWER SHEET**

Name			
IC No			
		<b>Form:</b>	
Question No.		Candidates Answer	Marks
1	i.	Transistor	1
	ii.	Microprocessor	2
2		C	3
3		Callback system	4
4	i	P	5
	ii	R	6
5		D	7
6	i	1024 GB	8
	ii	1 MHz	9
7	i	Processor/CPU chips	10
	ii	Expansion Slot	11
8	i	Peripheral devices/ devices	12
	ii	Server/pelayan	13
9		True/Benar	14
10	i	Ring topology / Topologi gelung/cincin	15
	ii	Star topology / Topologi bintang	16
11	i	Coaxial Cable/ Kabel sepaksi	17
	ii	Fibre Optic/ Fiber optic/ Gentian kaca	18
12	i	Sony Sound Forge	19
	ii	Adobe Premiere	20
13		False/Palsu	21
14		B	22
15		Consistency	23
16		B	24
17	i	Compiler	25
	ii	Interpreter	26
18	i	Integer	27
	ii	String	28
19		Selection Control Structure	29
20		B	30
21		Object-orientad programming approach	31
22	i	Transaction Processing System (TPS)	32
	ii	Expert System(ES)/Artificial Intelligence (AI)	33
23		True/Benar	34
24		NoPelajar	35
25		DBMS/Database Management System/Sistem Pengurusan Pangkalan Data	36
<b>TOTAL MARKS</b>			



	<p>Allows users to organise and manipulate data in rows And columns.</p> <ul style="list-style-type: none"> <li>○ membenarkan pengguna mengorganisasi dan memanipulasi data dalam bentuk baris dan lajur</li> <li>○ produces worksheets that require repetitive calculations</li> <li>○ budgeting, maintaining a grade book, balancing accounts, tracking investment, calculating loan payments, estimating project costs and preparing financial statements</li> <li>○ membuat lembaran yang mengandungi pengiraan seperti baget, gred, pengiraan pelaburan, gaji pekerja, baget projek, kewangan dan sebagainya</li> </ul>	<p>Mana-mana Satu 1m</p>						
<p>28</p>	<p>(a)</p> <p>An Intranet (intra means within) is an internal network that uses Internet technologies and it is a small version of the Internet that exists within an organisation.</p> <p><b>OR</b></p> <p>An intranet is a private computer network that uses Internet protocols, network connectivity and possibly the public telecommunication system to securely share part of an organisation’s information or operation with its employees.</p>	<p>Intranet – 1m  Describe – 1m</p>						
<p>28</p>	<p>(b)</p> <table border="1" data-bbox="280 1058 1295 1430"> <thead> <tr> <th data-bbox="280 1058 786 1104"><b>X (INTRANET)</b></th> <th data-bbox="786 1058 1295 1104"><b>INTERNET</b></th> </tr> </thead> <tbody> <tr> <td data-bbox="280 1104 786 1247">An internal network accessible by authorized individuals within an organization.</td> <td data-bbox="786 1104 1295 1247">Used to access global information and for instant communication by anyone, anywhere and anytime.</td> </tr> <tr> <td data-bbox="280 1247 786 1430">Connects within an organization. Intranets generally make company information accessible to employees and facilitate group activities.</td> <td data-bbox="786 1247 1295 1430">Connects and links to various organizations like business, government agencies, educational institutions and individuals.</td> </tr> </tbody> </table>	<b>X (INTRANET)</b>	<b>INTERNET</b>	An internal network accessible by authorized individuals within an organization.	Used to access global information and for instant communication by anyone, anywhere and anytime.	Connects within an organization. Intranets generally make company information accessible to employees and facilitate group activities.	Connects and links to various organizations like business, government agencies, educational institutions and individuals.	<p>2m</p>
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29	<p>(a) Consistency/ Konsisten</p> <p>Consistency means the interface design is in harmony and the same applies to all screen in a software program. Or Every user interface uses the same words or commands perform the same functions.</p> <p>(b) Any other user interface principles can be applied except <u>consistency</u>.</p> <table border="1" data-bbox="280 558 1295 1283"> <thead> <tr> <th>User Interface Principles</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Clarity</td> <td>Clearness of labels on all icons to make the system easy to understand</td> </tr> <tr> <td>Context</td> <td>Every part of a lesson should be relevant to a particular title</td> </tr> <tr> <td>Navigation</td> <td>User can move around the menus, help files or other screen in a system</td> </tr> <tr> <td>Search</td> <td>The system enables users to search keywords or glossary. It should provide multiple ways for users to make queries by grouping or sorting.</td> </tr> <tr> <td>Personalisation</td> <td>The users can make their own personal or individual learning.</td> </tr> <tr> <td>Learnability</td> <td>The system provides support information and help files to make the system easy to understand</td> </tr> <tr> <td>Flexibility</td> <td>A user has the authority to navigate through all the sections without any limitations</td> </tr> </tbody> </table>	User Interface Principles	Description	Clarity	Clearness of labels on all icons to make the system easy to understand	Context	Every part of a lesson should be relevant to a particular title	Navigation	User can move around the menus, help files or other screen in a system	Search	The system enables users to search keywords or glossary. It should provide multiple ways for users to make queries by grouping or sorting.	Personalisation	The users can make their own personal or individual learning.	Learnability	The system provides support information and help files to make the system easy to understand	Flexibility	A user has the authority to navigate through all the sections without any limitations	<p>1 m</p> <p>1m</p> <p>1m – state 1m - describe</p>
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30	<p>(a) Data manipulation button</p> <table border="1" data-bbox="375 1360 1282 1583"> <tbody> <tr> <td>Find</td> <td>Search records in a file/table according using certain condition</td> </tr> <tr> <td>Update</td> <td>To update records – changing the content of a records in a file / table.</td> </tr> <tr> <td>Delete</td> <td>To delete records – process of removing records from a file /table</td> </tr> </tbody> </table> <p>(b) Primary key – Book ID Justify: Book ID field uniquely identifies each book because no two books can have the same Book ID.</p>	Find	Search records in a file/table according using certain condition	Update	To update records – changing the content of a records in a file / table.	Delete	To delete records – process of removing records from a file /table	<p>1m + 1 m Any one</p> <p>1m</p> <p>1m</p>										
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Section C		
31	<p>(a) Type of network used – LAN Justify: LAN ia a network connects computers and devices in a <b>limited geographical</b> area. The network <b>connected the room in the same building.</b></p> <p>(b) <b>Star topology/ topologi bintang</b> Justify: All the computer/nodes connected to the <b>hub.</b></p> <p>(c) Hardware J is <b>router</b> The function: It connects multiple computers or devices on a LAN.</p>	<p>1m</p> <p>1m</p> <p>1m</p> <p>1m</p> <p>1m</p> <p>1m</p> <p>1m</p>
32	<p>(a) Constant – pi/ π Justify: The value of the pi can not be change during the process/ program execution.</p> <p>(b)</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> <pre> graph TD     Start([START]) --&gt; Read[/Read r, h/]     Read --&gt; Process[Volume = <math>\frac{1}{3} \pi r^3 h</math>]     Process --&gt; Print[/Print Volume/]     Print --&gt; End([END]) </pre> </div> <p>(c)</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;"><b>Program To Calculate The Volume of Cone</b></p> <p>Height <input style="width: 50px;" type="text"/></p> <p>Radius <input style="width: 50px;" type="text"/></p> <p style="text-align: center;"><input style="width: 80px; height: 20px;" type="button" value="Calculate"/></p> </div>	<p>1m</p> <p>1m</p> <p>X – formula 1m</p> <p>Y – Print/Display Volume 1m</p> <p>Tajuk/Kotak Luar – 1m</p> <p>Height&amp; Radius- 1m</p> <p>Kotak utk data/ Butang</p>

33

(a)

StudentName  
NoIC  
Race  
Date of Birth  
Gender

ParentName  
NoIC  
Occupation  
Addresss

(b)

StudentName  
StudentNoIC (PK)  
Race  
Date of Birth  
Gender

ParentName  
ParentNoIC(PK)  
Occupation  
Addresss  
StudentNoIC

(c)

StudentName  
StudentNoIC (PK)  
Race  
Date of Birth  
Gender

1:1

ParentName  
NoIC(PK)  
Occupation  
Addresss  
StudentNoIC(FK)

(d)

Profile Student's Form  
SMK MAJU

Name :

NoIC :

Race :

Date of Birth :

Gender :

Parent's Information Form  
SMK MAJU

Name :

NoIC :

Occupation :

Address :

Proses – 1m  
Jadual 1- 4  
nama medan  
betul – 1m

Jadual 2 – 3  
nama medan  
betul – 1m

StudentNoIC–  
1m  
ParentNoIC –  
1m  
**Kalau pelajar  
tulis StudentID  
/ParentID -  
terima**

Hubungan:  
One – to-one  
1m

Terima mana-  
mana satu  
antaramuka.

Tajuk/Kotak  
luar -1m

Nama medan&  
kotak data- 1m  
Terima walau  
1 atau 2  
medan sahaja