



PEJABAT PELAJARAN WP PUTRAJAYA
WP PUTRAJAYA

**PEPERIKSAAN PERCUBAAN
SIJIL PELAJARAN MALAYSIA
SEPTEMBER
TAHUN 2010**

Two Hour and Thirty Minutes
Dua Jam Tiga Puluh Minit

**INFORMATION AND COMMUNICATION
TECHNOLOGY
PAPER 1**

3765/1

SKEMA JAWAPAN

Kertas soalan ini mengandungi 6 halaman bercetak.

SECTION A

Questions No.	Candidate's Answer	Score
1.	User Identification	1
2.	D. Copyright Infringement	2
3.	(i) B	3
	(ii) A	4
4.	2.00 GHz / 2000 MHz	5
5.	S	6
6.	(i) P - Spreadsheet	7
	(ii) Q – Graphic Editor	8
7.	(i) False	9
	(ii) True	10
8.	Peer To Peer	11
9.	(i) Ring Topology	12
	(ii) Troubleshooting is easy when one of the nodes fails. or Repair or remove the failing nodes and the network will continue to function.	13
10.	Wireless Network Interface Card or Wireless NIC	14
11.	(i) Q	15
	(ii) R	16
12.	True	17
13.	C	18
14.	(i) Icon	19
	(ii) Timelines	20
15.	(i) Implementation	21
	(ii) Programmer	22
16.	True	23
17.	Structured	24
18.	Compiler	25
19.	Mathematical	26
20.	(i) Selection	27
	(ii) String	28
21.	(i) Coding	29
	(ii) Problem Analysis	30
22.	Procedures	31
23.	Database Management System	32
24.	(i) Transaction Processing Systems (TPS)	33
	(ii) Executive Information System (EIS)	34
25.	(i) StudentID	35
	(ii) StudentID	36

SECTION B

26						
(a)	<p>Two advantages when the management changed the system from A to B.</p> <ul style="list-style-type: none"> i) Faster productions ii) Can take over jobs that are dangerous to the human iii) More reliable iv) can work continuously with no need for breaks. v) can repeat a task accurately time and again without losing accuracy 	<p>2 M</p> <p>Any TWO relevant answers</p>				
(b)	<p>Two disadvantages when the management changed the system from A to B.</p> <ul style="list-style-type: none"> i) High Cost ii) High maintenance iii) Employment iv) Less flexible 	<p>2 M</p> <p>Any TWO relevant answers</p>				
27						
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	<p>a hierarchy.</p> <p>iv. File managers may contain features inspired by web browsers, including forward and back navigational buttons.</p>	
28		
(a)	<p>S is a web browser. Two functions are</p> <p>a) Retrieve and view internet-based information</p> <p>b) Interact with servers.</p> <p>c) View electronic documents.</p> <p>d) Download and upload information</p>	2 M
(b)	<p>T is email client. One function is</p> <p>a) To create email messages.</p> <p>b) To send email messages.</p> <p>c) To receive email messages.</p> <p>d) To forward email messages.</p> <p>e) To store email messages.</p>	2 M
29		
(a)	<p>i. Linear interactivity</p> <p>ii. Non-interactivity</p>	1 M 1 M
(b)	<p>i. Allow user to interact with the content according to what the user want.</p> <p>ii. User can control the progress using button or links.</p> <p>iii. Provide two-way communication.</p>	2 M
30		
(a)	2 Tables	1 M
	Student Info and Book Info	1 M
(b)	<pre> erDiagram Student-Info --o{ Student-Info : "StudentID" Book-Info --o{ Book-Info : "StudentID" Student-Info } --} Book-Info : "" </pre>	2 M (nama jadual 1M, primary key 1M)

SECTION C

31	
(a)	<p>Describe two suitable security measures that should be taken by the bank to prevent computer crime.</p> <p>a) Prevent access by using locks, smart card or password 1 M</p> <p>b) Firewall (prevent hacking) – a piece of hardware or software which function in a networked environment to prevent some communications forbidden by security policy 1 M</p> <p>c) Human Aspects is the hardest aspects to give protection to, the most common problem is the lack of achieving a good information security procedure. There are three ways of security :</p> <p>i) Organization Self Awareness (some threat could also come from within the organization and not just from outside) 1 M</p> <p>ii) Organization User Self Awareness (provide employee with adequate training and the importance of security and control) 1 M</p>
(b)	<p>Why bank clients should be protected under the Malaysian Cyber Law?</p> <p>The bank clients should be protected under the Malaysian Cyber Law because: 1 M The customer is made to feel secure about the bank protecting their money and 1 M the bank takes responsibility and will prosecute criminals for their wrong doing. 1 M</p> <p style="text-align: center;">OR</p> <p>Deter possible criminal activities such as hacking, transaction fraud, etc, so that all the criminal activities can be brought to justice/court.</p> <p style="text-align: center;">OR</p> <p>Steps undertaken to ensure the security of online transaction and so, maintain customer confidentiality.</p>
32	
(a)	<p>Step 1 Right click on the Local Area Network icon. Then click on Properties. 1 M</p> <p>Step 2 Click on Internet Protocol (TCP/IP) icon. Then click the properties button. 1 M</p> <p>Step 3 The Internet Protocol (TCP/IP) Properties window will appear. Click Use the following IP address. 1 M</p>

	<p>Step 4 Key in Subnet mask : 255 . 255 . 255 . 0 Subnet mask specifies the size of the network.</p>	1 M
	<p>Step 5 Key in IP address : 192 . 168 . 1 . 25</p>	1 M
	<p>Step 6 Key in Default gateway : 192 . 168 . 1 . 1</p>	1 M
	<p>Step 7 Restart the computer before the setting take effect.</p>	1 M

33

(a)	<p>Pseudo code;</p> <p>Answer:</p> <p>Begin</p> <p>Request student ic_number, student_mark } —————→ 1 M</p> <p>If student_mark is more than 50 then } —————→ 1 M</p> <p style="padding-left: 20px;">Print congratulation message</p> <p>Else } —————→ 1 M</p> <p style="padding-left: 20px;">Print motivational message</p> <p>End if</p> <p>End</p>	<p>4 M If all statemen was complete</p> <p>Begin, End If & End ada 1M</p>
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(b)	<div style="border: 1px solid black; padding: 10px;"> <p>Syntax errors</p> <ul style="list-style-type: none"> A syntax error is caused by wrong spelling in command and declaration. Other syntax errors include case sensitive, punctuation and wrong word command They either show up as you type the program code, or if you have turned off the automatic syntax error check, the syntax errors show up when you try to run or compile the program. When syntax error is located, a message is displayed on the screen. The programmer must review and correct all syntax errors. </div>	<p>4 M</p> <p>1 point give 1 mark</p>
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