



**PEPERIKSAAN PERCUBAAN SETARA
SIJIL PELAJARAN MALAYSIA 2015**

3765/1

INFORMATION AND COMMUNICATION TECHNOLOGY

Kertas 1

September

2½ jam

minit

Dua jam tiga puluh

SKEMA JAWAPAN

[Lihat sebelah

26	<p>(a) Example of input device: <i>Mouse/Scanner/Camera Digital/Video Camera Digital/Microphone</i></p> <p>Example of output device: <i>Printer/Speaker/LCD Monitor</i></p> <p>(b) Two functions of processor (CPU)</p> <ul style="list-style-type: none"> • <i>Starting a computer</i> • <i>Providing a user interface</i> • <i>Managing data and programs</i> • <i>Managing memory</i> • <i>Configuring devices</i> <p><i>Choose only two answers</i></p>	<p>2 marks</p> <p>2 marks</p>									
27	<p>(a) (i) X : LAN (ii) <i>Because it is a computer network covering a small geographical area like school, office or group buildings</i></p> <p>(b) Differences between X and Y</p> <table border="1" data-bbox="327 913 1251 1216"> <thead> <tr> <th>X: LAN</th> <th>Aspect</th> <th>Y :WAN</th> </tr> </thead> <tbody> <tr> <td><i>Cost of data transmission in LAN is less.</i></td> <td>Cost</td> <td><i>Cost of data transmission in WAN is very high.</i></td> </tr> <tr> <td><i>The speed of data transmission is much higher in LAN than WAN</i></td> <td>Speed</td> <td><i>The speed of data transmission is much lower in WAN than LAN</i></td> </tr> </tbody> </table>	X: LAN	Aspect	Y :WAN	<i>Cost of data transmission in LAN is less.</i>	Cost	<i>Cost of data transmission in WAN is very high.</i>	<i>The speed of data transmission is much higher in LAN than WAN</i>	Speed	<i>The speed of data transmission is much lower in WAN than LAN</i>	<p>2 marks</p> <p>2 marks</p>
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28	<p>(a) P: <i>Design phase</i> The activities involved are: <i>multimedia developer used two design tools such as flow chart and storyboard to create or design the multimedia contents.</i></p> <p>(b) Amirah's role in the multimedia development team is as <i>project manager. She needs to define the scope of the project, search for financial resources, equipment and facilities and coordinate the production team.</i></p>	<p>2 marks</p>									

29	<p>(a) Operator used in Figure 11 (i) is logical operator and Figure 11 (ii) is mathematical operator.</p> <p>(b) Based on your answer in (a) differentiate between operator in 11(i) and 11(ii).</p> <table border="1" data-bbox="279 421 1214 952"> <thead> <tr> <th data-bbox="279 421 590 510">Differences</th> <th data-bbox="590 421 901 510">Logical operator</th> <th data-bbox="901 421 1214 510">Mathematical operator</th> </tr> </thead> <tbody> <tr> <td data-bbox="279 510 590 896">Function</td> <td data-bbox="590 510 901 896">Mathematical operators are notations that tell the computer to perform mathematical operations such as addition, subtraction, multiplication and division</td> <td data-bbox="901 510 1214 896">Logical operator are notations that tell the computer to perform logical operations such as check the status of two Boolean values</td> </tr> <tr> <td data-bbox="279 896 590 952">Symbol</td> <td data-bbox="590 896 901 952">AND, OR, NOT</td> <td data-bbox="901 896 1214 952">+, -, *, /</td> </tr> </tbody> </table>	Differences	Logical operator	Mathematical operator	Function	Mathematical operators are notations that tell the computer to perform mathematical operations such as addition, subtraction, multiplication and division	Logical operator are notations that tell the computer to perform logical operations such as check the status of two Boolean values	Symbol	AND, OR, NOT	+, -, *, /	<p>2 marks</p> <p>2 marks</p>
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30	<p>(a) A Database Management System (DBMS) is software that allows you to create access and manage a database.</p> <p>(b) Three advantages of using Databases Management System (DBMS).</p> <p>(i) Reduced Data Redundancy ii) Improved Data Integrity iii) Shared Data</p>	<p>1 mark</p> <p>3 marks</p>									

31	(a) Primary key for Employee table: <i>Employee_ID</i> Primary key for Leave table: <i>ID_Leave</i>	2 marks
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(b)

EMPLOYEE'S LEAVE REPORT

Employee_ID	Name	ID_Leave	Type_of_Leave	Number_of_Leave
E098342	Puan Nina Bt Hamzah	L003	Annual Leave	4
E098342	Puan Nina Bt Hamzah	L005	Medical Leave	3
E098342	Puan Nina Bt Hamzah	L006	Emergency Leave	4

Title : 1 mark
 Complete Fields : 1 mark
 Complete result of query : 2 marks

(c)

Employee	
Employee_ID	
Name	
Position	

Leave	
ID_Leave	
Type_of_Leave	
Number_of_Leave	
Employee_ID	

Name of two table + complete fields for both table + line of relationship : 1 mark

- *And refer to SCORE A or any reference books.*

Score :

If the student only **list the user interface** : 1 mark

List the user interface + explanations : 2 marks

Total : **4 marks**

33 (a) Input : *Quiz score – 1 mark*

Output : Message “*Congratulations*” or “*Don’t Give Up*” – 1 mark

(b) Pseudo code

Begin

Input quiz score - 1 mark

Process If quiz score greater than or equal to 50 – 1 mark

Then **Display** message “*Congratulation*” – 1 mark

Else **Display** message “*Don’t Give Up*”
End if } 1 mark

End

Begin + End : 1 mark

Total : **5 marks**