



**SECTION A**

**(36 Marks)**

*(36 Markah)*

**Question 1 – 10**

*Soalan 1 - 10*

**Each question in this section is followed by 4 possible answers. Choose the best answer and write your answer on the Answer Sheet provided.**

*Setiap soalan diikuti oleh 4 pilihan jawapan. Pilih dan tulis jawapan yang betul sama ada A, B, C atau D pada helaian jawapan yang disediakan*

1. ICT has brings many positive impacts on society such as ...

- A. Lower communication cost
- B. Social problems
- C. Ineffective sharing of information
- D. Slow communication speed

2. Which of the following are biometric devices?

- I. Hand geometry
- II. Callback System
- III. Retinal Scanning
- IV. Signature Verification System

- A. I, II and III
- B. I, II and IV
- C. I, III and IV
- D. II, III and IV

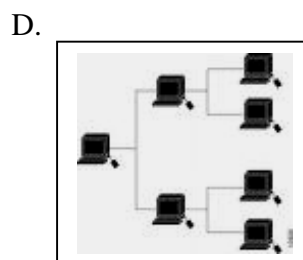
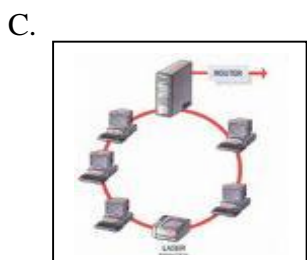
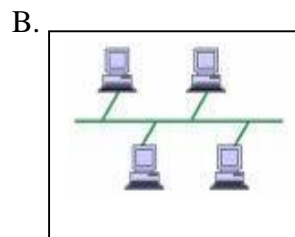
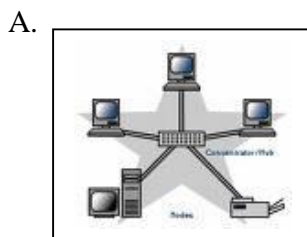
3. All of the following devices are pointing devices **EXCEPT**...

- A. Mouse
- B. Touchpad
- C. Keyboard
- D. Joystick

4. Which of the following is the example of operating system?

- A. Windows XP
- B. Visual Basic
- C. Norton Antivirus
- D. Microsoft Office

5. Choose the correct diagram that shows star topology.



6. A Network Interface Card (NIC) is an expansion card that allows the transmission of data over a \_\_\_\_\_ network.

- A. WiFi
- B. wired
- C. satellite
- D. wireless

7. A \_\_\_\_\_ is a central communication device that allow computers and devices to transfer data wirelessly between wireless devices or to transfer data wirelessly to a wired network.

- A. Router
- B. Hub/Switch
- C. Wireless Access Point
- D. Wireless Network Interface Card

8. Text-based web editor is an application that develops web pages based on text based command. Which applications are used in text-based web editor?

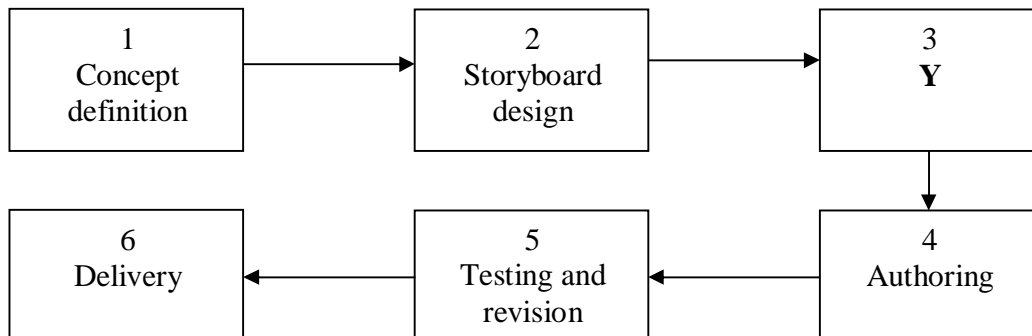
- I Notepad
- II Ms Word
- III Wordpad
- IV Macromedia Dream weaver

- A. I, II, III
- B. I, II, IV
- C. I, III, IV
- D. II, III, IV

9. It can be defined as a computer based interactive communications process that incorporates text, animation, video and audio.

The above statement refers to

- A. Movie
- B. Multimedia
- C. Slide show
- D. Communication



10. Multimedia development process consists of six phases. What is the Y phase ?
- A. Brainstorming
  - B. Multimedia interface design
  - C. Identifying the target audience
  - D. Development of multimedia building blocks

**Question 11 - 15**

**Soalan 11 - 15**

**State whether the statements given is True or False. Write “T” for True or “F” for False on the Answer Sheet provided.**

*Tentukan samada pernyataan di bawah adalah Benar atau Palsu. Tuliskan “B” untuk Benar dan “P” untuk Palsu pada Helaiian Jawapan yang disediakan.*

No.	Statement <i>Pernyataan</i>	True/False <i>Benar/Palsu</i>
11.	Privacy in ICT refers to data and information privacy.	
12.	Both ethics and law are made as a rule to control computer users.	

<b>No.</b>	<b>Statement</b> <i>Pernyataan</i>	<b>True/False</b> <i>Benar/Palsu</i>
13.	The electronic circuitry that controls all arithmetic and logical operations is contained in the ALU.	
14.	A diskette holds more data than a hard disk.	
15.	a) A network links two or more computers together to enable data and resource exchange.	
	b) Users can send e-mail to friends in other countries using LAN.	

**Question 16 – 20**

*Soalan 16 - 20*

**Match the description to the correct device.**

*Suaikan penerangan dengan peranti yang diberi*

<b>Wireless Access Point</b>	<b>Internal Modem</b>	<b>External Modem</b>
<b>Wireless Network Interface Card</b>	<b>Network Interface Card</b>	

16. An adapter card or PC card that enables the computer to access the network.

\_\_\_\_\_

17. A central communication device that allows computers and devices to transfer data wirelessly between wireless devices or to transfer data wirelessly to a wired network.

\_\_\_\_\_

18. A communication device that only works in stand alone computers. It is built into the computer to connect to the Internet.

\_\_\_\_\_

19. A communication device that is separate from the computer and is also mobile. It is used to connect to the Internet.

\_\_\_\_\_

20. A network card that provides wireless data transmission.

\_\_\_\_\_

**Question 21 – 23**

**Soalan 21 - 23**

**Fill in the blanks with the correct answers provided in the boxes below.**

*Isikan tempat kosong berikut dengan pilihan jawapan yang telah disediakan.*

contrast <i>kontra</i>	different <i>berbeza</i>	communication <i>komunikasi</i>	digital <i>digital</i>
evaluation <i>penilaian</i>	modify <i>mengubahsuai</i>	analog <i>analog</i>	information <i>maklumat</i>
documentation <i>dokumentasi</i>	meaningful <i>bermakna</i>	sort <i>mengisih</i>	testing <i>pengujian</i>

21. Modem is a networking device that converts \_\_\_\_\_ signal into \_\_\_\_\_ signal and vice versa.

22. a) The principle of \_\_\_\_\_ states that if two items are not exactly alike make them \_\_\_\_\_ .

- b) \_\_\_\_\_ phase in multimedia production is done to discover any design faults and reduce the costs of correcting faults. It can reduce the need for a technical help and training costs, and increase users' satisfaction.
23. a) \_\_\_\_\_ is processed data; that is, it is organized, \_\_\_\_\_ and useful.
- b) Using a Database Management System (DBMS), users can create a computerized database. Users can \_\_\_\_\_ the database; \_\_\_\_\_ and retrieve data from the database.

**Question 24-25**

**Soalan 24 – 25**

**Fill in the blanks with the most suitable answer.**

*Isikan tempat kosong dengan jawapan yang sesuai.*

21. \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ are the examples of hardware that can be used to produce multimedia products.

25. Fill in the blank with the correct answers.

Multimedia Elements	Standard File format
	*.doc, *.txt
Audio	
	*.mpeg, *.avi

**SECTION A**  
**ANSWER SHEET**

IC No.		Centre No.	
Index No.			
Question No.	Candidate's Answer		Marks
1			1
2			2
3			3
4			4
5			5
6			6
7			7
8			8
9			9
10			10
11			11
12			12
13			13
14			14
15	a)		15
	b)		16
16			17
17			18
18			19
19			20
20			21
21			22
			23
22	a)		24
			25
	b)		26
23	a)		27
			28
	b)		29
			30
24			31
			32
			33
25			34
			35
			36
			<b>TOTAL MARKS</b>

**SECTION B**  
(20 marks)

This section consists of 5 questions.  
Answer all questions.

**Question 1**

a) Give two methods commonly use in verification. [2 marks]

i) \_\_\_\_\_

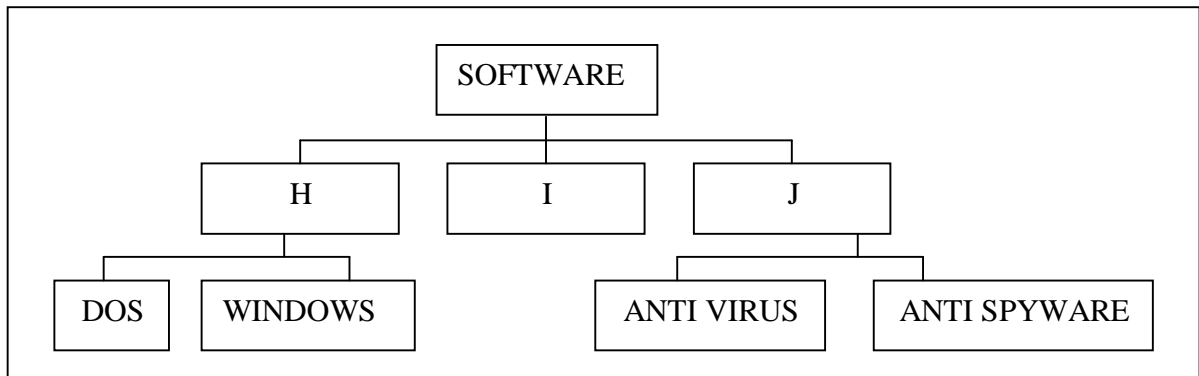
ii) \_\_\_\_\_

b) State two examples of validating process. [2 marks]

i) \_\_\_\_\_

ii) \_\_\_\_\_

**Question 2**



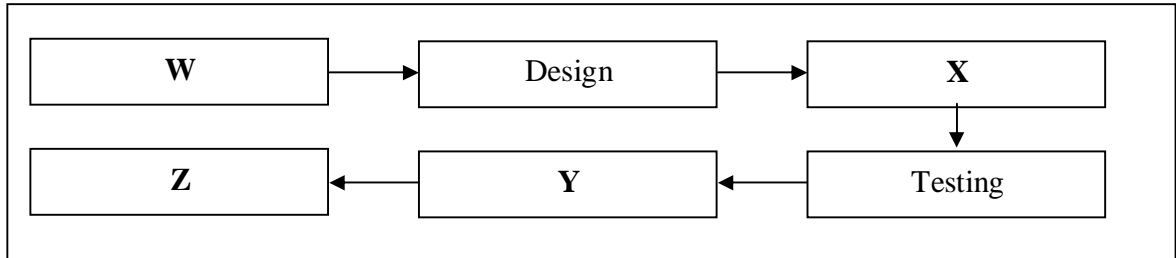
**Figure 1**

Based on Figure 1,

a) State two differences of user interfaces applied for both software H. [2 marks]

b) Identify software I. Name one type of software I and its function. [2 marks]

Question 3



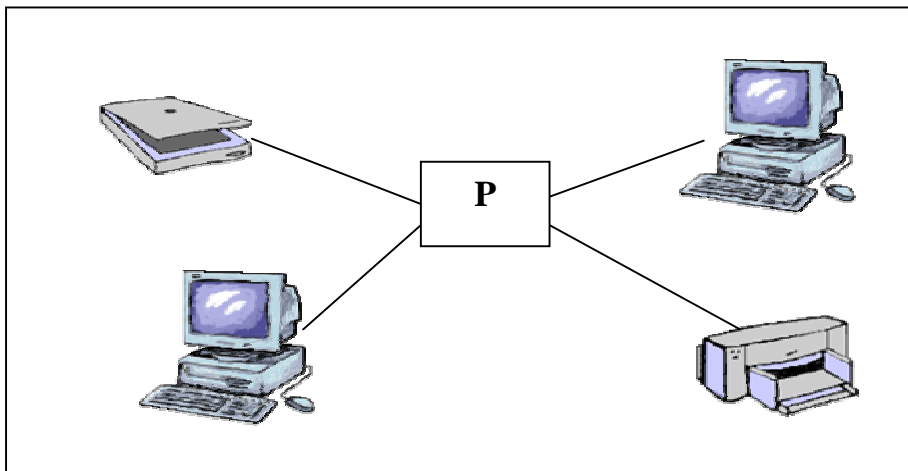
**Diagram1**

The diagram above shows the phases in multimedia production. Complete the Diagram 1.

- a) W : \_\_\_\_\_
- b) X : \_\_\_\_\_
- c) Y : \_\_\_\_\_
- d) Z : \_\_\_\_\_

[4 marks]

Question 4



**Figure 2**

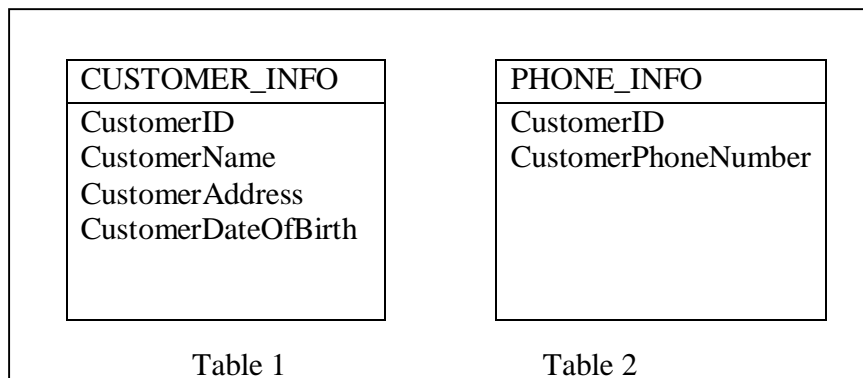
Puan Halimah is a new ICT teacher in SMK Cyberjaya. She has been instructed to set up network connection for the new computer lab. The network that she plans to set up is as in Figure 2.

- a) What is P? [ 1 mark ]
- b) What is the most suitable topology use to set up this network? [ 1 mark ]

- c) Give one advantage of using the topology as in Figure 2. [ 1 mark ]
- d) State the type of cable that Puan Halimah should use. [ 1 mark ]

Question 5

Based on the Diagram 3 below answer the following questions.



**Diagram 3**

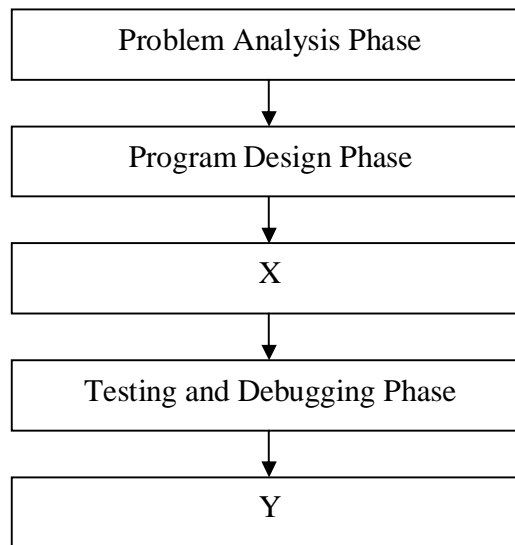
- a) Identify the Primary key and state its function. [2 marks]
- b) List 2 other information that can be included in Table two. [2 marks]

SECTION C  
[14 marks]

This section consists of 3 questions.

Question 1 is compulsory. Choose one either Question 2 or Question 3.

Question 1



**Diagram 4**

Mrs. Shanti is a programmer. She is using above program development phase to construct an application. Answer the questions based on above diagram.

- Give an explanation about X and Y respectively. [ 2 marks ]
- State **one** of the popular tools used in program design phase. Describe it.  
[2 marks]
- Explain **three** types of errors uncovered during testing and debugging phase.  
[3 marks]
- Give an example of the program development tool that can be use by Mrs. Shanti. [1 mark]

### Question 2

As an ICT student, you are given the responsibility by your principal to produce a project which will include all information about your school. Your multimedia project must be both informative and interactive. Based on the above situation, answer all questions.

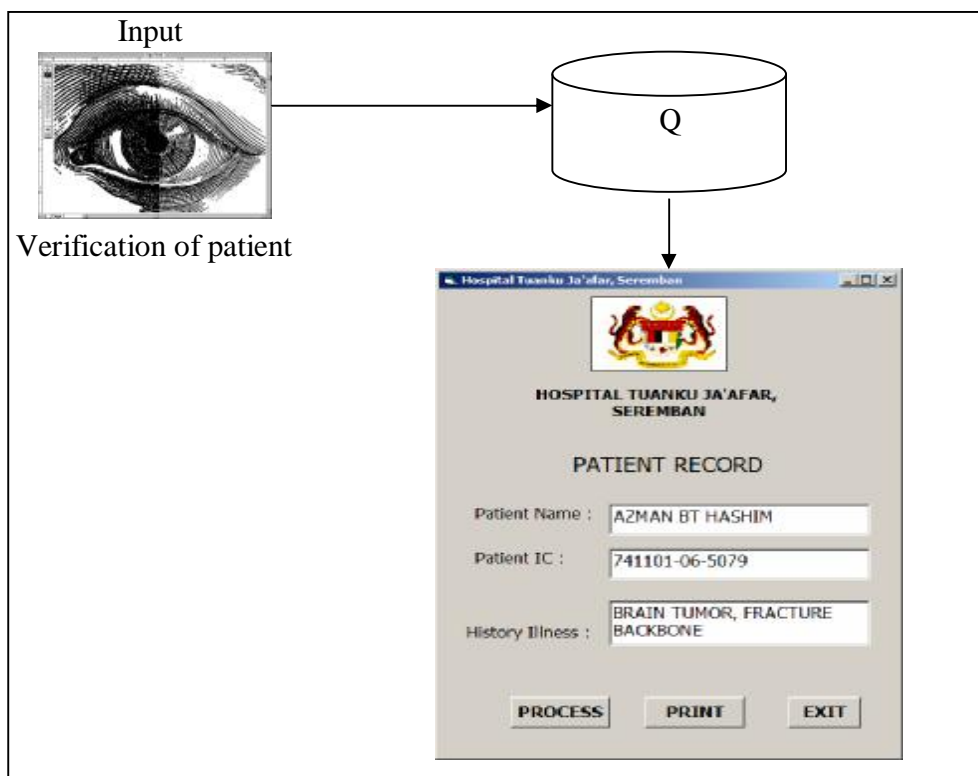
- a. Give **two** hardware's that you need for multimedia development. [2 marks]
- b. Development team including project manager, subject matter expert, designer, script writer and graphics artist.

State briefly the role of:

- i. Project manager [ 1 mark ]
  - ii. Programmer [ 1 mark ]
- c. State the differences between text-based web editor and WYSIWYG. [2 marks]

### Question 3

Diagram 5 shows the management system of Hospital Tuanku Ja'afar patient records.



**Diagram 5**

Based on Diagram 4 above, answer the following questions:

- a) What is Q? [ 1 mark ]
- b) State **one** benefit of using Q. [ 1 mark ]
- c) Explain the meaning of verification and state the method of verification used in the above system. [ 3 marks ]
- d) State one of the consequences if the system is hacked by the unauthorized personnel. [ 1 mark ]

END OF PAPER QUESTION