



**JABATAN PELAJARAN NEGERI  
WILAYAH PERSEKUTUAN**

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**SKEMA  
JAWAPAN**

**PEPERIKSAAN PERCUBAAN  
SIJIL PELAJARAN MALAYSIA 2010**

**3765/1**

**INFORMATION AND COMMUNICATION TECHNOLOGY**

**Answer Sheet / Helaian Jawapan**

Section A / Bahagian A

<b>Question No. No. Soalan</b>	<b>Candidate's Answer Jawapan Calon</b>	<b>Marks Markah</b>
01	D	1
02	A	2
03	C	3
04	Site Blocking	4
05	I S	5
	II R	6
	III Q	7
06	D	8
07	i A	9
	ii C	10
08	i C	11
	ii A	12
09	Processor/Microprocessor/CPU	13
10	i Arithmetic/Logical	14
	ii Logical/ Arithmetic	15
11	B	16
12	C	17
13	a NIC/Network Interface Card/Network Card	18
	b Enables the computer to access the wired network or any relevant answers	19
14	True	20
15	a Graphic Artist	21
	b Develop graphic elements of the program such as backgrounds, buttons, logos and animations or any relevant answers	22
16	A	23
17	D	24
18	C	25
19	i S	26
	ii R	27
20	i Interpreter	28
	ii Compiler	29
21	D	30
22	C	31
23	i C	32
	ii A	33
	iii D	34
24	False	35
25	Relationships	36

No. 26.

a. Each answers must used the word “using”.

**Using Fingerprint Recognition**

In order to prevent fake fingers from being used, many biometrics fingerprint systems also measure blood flow, or check for correctly arrayed ridges at the edges of the fingers.

**Using Facial Recognition**

Facial recognition analyses the characteristics of an individual's face images captured through a digital video camera.

**Using Hand Geometry Scanning**

Hand scanning involves the measurement and analysis of the shape of one's hand.

**Using Iris Scanning**

Iris scanning analyses the features that exist in the colored tissues surrounding the pupil which has more than 200 points that can be used for comparison, including rings, furrows and freckles.

**Using Retinal Scanning**

Retinal biometrics involves the scanning of retina and analysing the layer of blood vessels at the back of the eye.

**Using Voice Recognition**

Voice recognition system compares a person’s live speech with their stored voice pattern.

**Using Signature Verification System**

Signature verification system uses special pen and tablet. After pre-processing the signature, several features are extracted.

- b. Data lost  
Virus attack  
Data corrupted

No. 27.

- a) i. Design phase  
ii. to design/plan a flow chart and storyboard
- b) i. CD-based or Web based  
ii. CD-based: can store high end multimedia elements such as video  
can be permanently stored and are not changeable  
information on a multimedia can be quickly outdated  
Web based : limited in picture size and low resolution video  
Can be changed, damaged or deleted by irresponsible individuals  
Information for multimedia can be updated easily and is cheaper

No. 28.

- a. Ring topology
- b. Topology Q: node to node or one direction only  
Topology R: through central device or both directions
- c. Advantages :
- easy to add and remove nodes
  - a failure of one node does not effect the rest of the network

**No. 29**

- a. i. 10%
- ii. - price
- total of book sold
- b. i. selection control structure
- ii.

Selection control structure	Sequence control structure
Enables a program to execute different statement in different conditions	Executes the statement one by one in consecutive order

**No. 30.**

- a) i. Patient ID
- ii. The primary key is a field which uniquely represents each record
- b) Update – is used for changing data in a database table
- Delete – is used for removing record from a database table

**No. 31.**

- a (i) Consistency / Repetition
- (ii) **Need an explanation for 2 marks**
  - The interface design is harmony
  - Easy to navigate
  - Easy to use
- b (i) Clarity / Contrast
- (ii) **Need an explanation for 2 marks**
  - Clearness of label on all icon
  - Make system easy to understand
  - Suitable for all user

**No. 32.**

- a. Intranet
- b. **Need an explanation for 2 marks**
  - limited for employee only
  - Privet network
  - Security control level high
- c. Star Topology
- d. **Need an explanation for 2 marks**
  - More secure connection as data sent directly between nodes
  - A failure of the cable will only affect one node, hence faults are easier to pinpoint
  - Easy to add new nodes without any disruption

**No. 33.**

- a) Data **OR** Procedure
- b) DATA = are the raw, unprocessed facts, including text, numbers, images and sound.  
 Processed data is called information.

**OR**

PROCEDURE = A procedure is operating instructions for people. Procedures can be in the form of guidelines in the user manuals.

- c) i. People use data from raw inputs for information system follow the correct procedures.  
ii. mana-mana jawapan yang sesuai.

## **Markah Percubaan Pelajar ICT**

70 (3765/1) + 30 (3765/2)= 100 markah