



**JABATAN PELAJARAN
WILAYAH PERSEKUTUAN KUALA LUMPUR**

**PEPERIKSAAN PERCUBAAN
SIJIL PELAJARAN MALAYSIA 2008**

3765/1

INFORMATION AND COMMUNICATION TECHNOLOGY

SKEMA JAWAPAN

Section A

Question No. <i>No. Soalan</i>	Candidate's Answer <i>Jawapan Calon</i>	Marks <i>Markah</i>
1	D	1
2	C	2
3	D	3
4	A	4
5	B	5
6	A	6
7	B	7
8	a Printer	8
	b Speaker	9
9	Keyword Blocking / Halangan Kata Kunci	10
10	Peer-To-Peer / Rakan ke Rakan	11
11	a B	12
	b C	13
12	i analogue	
	ii digital	
13	a R	14
	b S	15
14	Graphic / Grafik	16
15	Instructional Designer	17
16	i B	18
	ii A	19
17	P Structured programming	20
	Q Object-oriented language	21
18	i control unit	
	ii arithmetic logic unit	
19	a Integer	22
	b String	23
20	B	24
21	M Field	25
	N File	26
22	i False / Palsu	27
	ii True / Benar	28
23	i True / Benar	29
	ii True / Benar	30
24	True / Benar	31
25	True / Benar	32

Section B

26.

a) Malicious codes / virus / etc. (1 mark)

Explanation (1 mark)

- Malicious code is also known as a rogue program.
- It is a threat to computing assets by causing undesired effects in the programmer's part.
- The agent for malicious code is the writer of the code, or any person who causes its distribution. The agent has the intention to cause damage.
- There are various kinds of malicious code such as virus, Trojan horse, logic door, trapdoor and backdoor, worm and many others.

b) (1 mark each – max 2 marks)

- do not open e-mail message from unknown source
- delete e-mail message from unknown source
- turn off message preview in e-mail program
- update antivirus regularly

27.

Figure 1a

- Type – Magnetic Medium. (1 Mark)
- Function – (1 Mark maximum)
 - A non-volatile storage medium.
 - Stores data permanently in a magnetic type of storage medium / use disks that are coated with magnetically sensitive material.

Figure 1b

- Type – RAM / Random Access Memory. (1 Mark)
- Function – (1 Mark maximum)
 - RAM holds temporary instructions and data needed to complete tasks.
 - RAM stores data during and after processing.

28.

a) (1 mark each – max 1 mark)

modem/router

b) (1 mark each – maximum 1 marks)

Modem - converts digital signals into analog and back again into digital signals
router - computer networking device that buffers and forwards data packets across an internetwork toward their destinations. through a process known as routing

c) (1 mark each – maximum 2 marks)

LAN , WAN

29.

a) Analysis Phase (1 mark)

Tool – (1 mark)

- Questionnaires
- Interviews
- Observations
- Other relevant tools.

b) Testing and Debugging Phase (1 mark)

Activity – (1 mark)

- Debug errors in the program.
- Test run the program again.
- Other relevant answers.

30.

a) Analysis and design

(2 marks)

b) Testing. This phase involve repair and fixed of any problems that testing exposes.

(2 marks)

Section C

31.

(a) Star topology

Justification

Star topology is proposed because

- workstations (computers) have fixed location – better to use wired technology to provide faster data transmission compared to wireless technology
- only star topology uses hub
- easy to implement – can add nodes (new computers) easily and not affect the others
- failure of any non-central node will not affect the functionality of the network.

(b) Two hardware devices required to provide Internet access to all computers at cyber cafe are:

1. Modem (ADSL modem/ISDN modem/modem router/etc)
2. Network Interface card

Function of Modem

- converts the digital signals from a computer to an analogue signals that can be transmitted along an ordinary phone line
- allows computers to connect to the Internet through a telephone line
- converts information send into sounds (the MODulator part) which a modem on the other end of the phone line can translate back into information (the DEModulator part).

Function of network interface card

- enables computer or device to access network.
- Coordinate the transmission and receipt of data , instruction and information.

32.

a) Antivirus software – 1 mark.

- Install an anti virus software in the computer.
- Always scan the computer for viruses.
- Always scan removable drives connected to the computer.
- Clean the viruses.
- Other relevant answers.

1 mark for each point given. 3 marks maximum.

b) File compression software – 1 mark.

- Install a file compression software in the computer
- Compress the presentation file.
- Attach the file to the e-mail.
- Other relevant answers.

1 mark for each point given. 2 marks maximum.

33.

a. Interface

- input interface for 'price' – 1 mark
- output interface for 'price after discount' – 1 mark
- clearness of interface (complete with correct labelling) – 1 mark

b. Constant – discount. – 1 mark

Variable – price / price after discount. – 1 mark

Reason:

Constant – the value of discount is fixed / does not change. – 1 mark

Variable – the value of price / price after discount varies / changes. – 1 mark

~ END OF SCHEME ~

***** PENGIRAAN MARKAH :**

MARKAH = MARKAH YANG DIPEROLEHI + MARKAH KERJA KURSUS