

ICT TRIAL EXAM 2015
Marking Scheme For Section A

Question No.	CHIPS	Candidate's Answer	Marks
1		A	1
2		<i>Accept any suitable answer</i>	2
3		True / Benar	3
4		2 ³⁰ bytes	4
5		C	5
6	(a)	C	6
	(b)	D	7
7		MS-DOS/MAC OS/Unix	8
8		Information / Maklumat	9
9		Wide Area Network (WAN)	10
10	(a)	Bus topology / Topologi bas	11
	(b)	Star Topology / Topologi bintang	12
11		Transmission Control Protocol/Internet Protocol	13
12		B	14
13	(a)	R	15
	(b)	T	16
14	(a)	Q	17
	(b)	P	18
15		Programmer / Pengaturcara	19
16		Analysis Phase / Fasa Analisis	20
17		B	21
18		False / Palsu	22
19	(a)	Mathematical / Matematik	23
	(b)	Functions / Fungsi	24
20	(a)	P	25
	(b)	Q	26
21	(a)	B	27
	(b)	C	28
22	(a)	Information System / Sistem Maklumat	29
	(b)	Data	30
23	(a)	C	31
	(b)	B	32
24	(a)	True	33
	(b)	B	34
25	(a)	Book ID	35
	(b)	Supplier ID	36
TOTAL MARKS			

Section B

- 26 a (i) PC platform [1 mark]
a (ii) function of operating system
- Starting a computer
 - Providing a user interface
 - Managing data and program
 - Managing memory
 - Configuring devices

[1 mark]

- b) spreadsheet [1 mark]
- allow user to organize and manipulate data in rows and column
 - spreadsheet software can be produces worksheet that require repetitive calculation

[1 mark]

- 27) a) **A : twisted pair cable**
C : fiber optic cable

[2marks]

- b) R : Radiowave [1 mark]
- frequency between 3khz -1ghz
 - used for the transmission of radio and television signals
 - also microwave radar (1-300ghz)
 - very low frequency electromagnet wave
 - cannot penetrate walls

[1mark]

- 28) a) Y: non linear interactivity [1 mark]
b) web based

- information for multimedia can be update easily
- it cheaper
- any relevant answers

OR

CD based

- can store high resolution pictures
- can circulate among friends
- Any relevant answers

Answer: Web based or CD based [1 mark]

Justification: any two [2marks]

29) a) P : Assembler
R : Compiler

[2 marks]

b)

Structured programming	Object –oriented programming
1. use top-down design model	1. has inheritance features
2. employs a hierarchy of modules	2. combine data & functions into objects.

[2 marks]

30 a) A: **Table**,
B: **query**

[2 marks]

b)

- **Update – change data/record in a file**
 - **correct inaccurate data**
 - **Update old data with new data**
- **Insert – Add new record to a file**
- **Delete – Remove an unwanted record**

[2 marks]

Answer for Section C

31

Information Details 5 Cyber

Name	IC. No	Address	Tel. No
1. Ahmad Razali	880902058743	10, Taman Mawar	016754321
2. Christnia	880965467888	11, Taman Orkid	011187544

1 mark for title

4 marks for 4 attributes
(1mark each)

At least 2 samples data
(1 mark each)

32.(a) (i) radius / height / volume
(ii)

(1 mark)

	Constants	Variables
Characteristics	Value is not changeable during the course of the program.	Value can be changed anytime during the course of the program.
Usage	Use constant when you want to declare something that won't be changed midway in your program execution.	Use variable to store data that may or will change during the running of the program.

(b)

Sequence Control Structure	Selection Control Structure
BEGIN Request radius, height Volume = $(1/3)*\text{Pi}*\text{radius}*\text{height}$ Print Volume END	BEGIN Request radius, height Check input data If any field empty Then show " Please complete the data!" Else Volume = $(1/3)*\text{Pi}*\text{radius}*\text{height}$ End If Print Volume END

Begin & End	1 Mark
Input	1 Mark
Process	1 mark
Output	1 mark

33. (a) LAN [1 mark]

(b) STAR topology [1 mark]

- A server and a switch are given which is meant for STAR topology setup.
- node failure will not affect the entire network
 - easy to install
 - easy to add or remove node
- any relevant answers

[1 marks]

(c) Network interface card (Wireless network interface card) / Modem/ wireless access point/router [2marks]

(d) Twisted paired cable/ CAT 5 cable [2marks]

- cheapest
- cables suitable for small size network