

First Term Test 2019

Information Communication Technology

Marking Scheme - Grade 11

(1)

1. a. transistors. (1 mark)

b.

2 nd generation	3 rd generation
Major H/W technology - transistors	Major H/W technology - IC
No Key board, mouse found	Key board and mouse found as input devices
No operating System found	Birth of Operating system

(1 mark)

2. a. Education –Any where any time(Internet) .

In the class room(learning aid).

Serves as a teaching aid.

(1 mark)

b. Relevancy, Completeness ,Accuracy, Timeliness, Cost Effectiveness

(1 mark)

3. a. $4BF_{16} + 3456_8 = 3053$ (1 mark)

b. $502_8 = 101000010$ (1 mark)

4. a. $F = (X^1.Y^1) + (X^1.Y^1) + Z$ (2 marks)

5. Match column A with B.(1/2 marks *4)

A		B	
1	Key board	A	Video Port
2	Printer	B	PS/2 Port
3	Router	C	Parallel Port
4	Monitor	D	Network Port(RJ 45)

6. ASCII, BCD, EBCDIC, UNICODE. (2 marks)

7. 2,Print,Odd,Endif(1/2 marks *4)

8. Guided - Coaxial cable –TV antenna

1. Unguided –Radio waves-Bluetooth . (1 mark)

2. Simplex – Watching the TV. Full duplex – Smart phone (1 mark)

9. Match column A and B. (1/2 marks *4)

A	B
Software which checks attached devices when a computer turns on	Disk defragmentation
Operating System with command line Interface.	Format
A mechanism of initializing suitable storage structure	BIOS
A mechanism that rearranged files in hard disk	DOS

10. Sharing files, Sharing resources, Ability to control central software, Security (2 marks)

(2)

- (i) Item Table - item_ID
Supplier Table - Supp_ID (2 marks)

(ii) (a) item table (1mark)

(b)

Item_ID	Item name	Stock
B003	16 GB USB flash drive	10

(1mark)

(iii)

(a) Item Table, Purchase Table (1 mark)

(b) Item Table

Item_ID	Item name	Stock
B005	Optical Mouse	40

(1 mark)

Purchase Table

Date	Supp_ID	Item_ID	Count
28/02/2019	S04	B005	40

(1 mark)

(iv) use password
encrypt database

(3 marks)

(3)

(i)

(a) file → save → select the location desktop → save (2 marks)

(b) Text Effects (2marks)

(c) B - bold

C - italic

D – Bullets (3marks)

(d) click hyperlink icon and give URL (1 mark)

(ii)

(a) any suitable answer (1 mark)

(b) Normal view

slide sorter view

Reading view

slide show view (1 mark)

(4)

i) any suitable answer 2marks

ii) any suitable answer 4marks

iii) a. any suitable answer 2 marks

b. any suitable answer 2marks

(5)

I. =E5*F5 (1 mark)

II. =G5*\$E\$10 (2 marks)

III. =G5-H5 (1 mark)

IV. =SUM(I5:I8) (2 marks)

V. E10 (3 marks)

VI. Column chart, Bar Chart (1 mark)

(6) i. A $i = 1$

B $i \leq 5$ (4 marks)

ii. begin

$i = 1$

tot = 0

while $i \leq 5$

read x

tot = tot + x

$i = i + 1$

display tot

end

(6 marks)