

Provincial Department of Education, Northern Province

Grade 10

Third Term Examination - 2017

Information & Communication Technology I,II

Marking scheme

Part 1

Q.No.	Ans.No	Q.No.	Ans.No	Q.No.	Ans.No	Q.No.	Ans.No
01	3	11	1	21	1	31	4
02	3	12	3	22	3	32	4
03	3	13	2	23	1	33	2
04	2	14	2	24	2	34	3
05	4	15	2	25	3	35	1
06	4	16	2	26	3	36	3
07	3	17	4	27	2	37	1
08	4	18	1	28	4	38	2
09	2	19	2	29	2	39	3
10	3	20	2	30	4	40	3

Each correct answer carries one mark. Total :-01mark X 40 = 40

Part 2

Question No 01

- i. $11001010_2 \rightarrow 1100 \quad 1010_2 \rightarrow CA_{16}$ **2marks**
- ii. P – 0
Q – 0
R – 1
S – 0 **- 2 marks**
- iii. The ability to use the learning units at anytime and anywhere.
The ability to upload the assignments completed at home.
Ability to participate in the co-curricular activities via video. **- 2marks**
- iv. A. False
B. True
C. True
D. True **- 2 marks**
- v. Input:- Taking a photo
Process :- Decoding
Output :- Connecting to website **- 2marks**
- vi. F,H **- 2marks**
- vii. 1. B,H
2.G
3.C
4.F **- 2marks**
- viii. L –K
M –H **- 2marks**

ix. Slide sorter view

- 2 Marks

x. U -J, V- H, W – K, X – I

- 2 Marks

02)

a) Printer, Plotter

b) ALU – Perform all mathematical and logical functions.

CU - Controls all devices of computer system.

Register – Temporarily stores data needed for the function of ALU.

c) U -J, V- H, W – K, X – I

d) Hub

- Least Expensive and No Intelligence
- Just Directs incoming packets from one port to other

Switch

- More Expensive and Intelligence
- knows which port is carrying the traffic from which host / interface

e) A – Disk Partition

B – Defragmentation

C – GUI

D – Application Software

2marks X5 =10 Marks

03)

a) 8,10,16

b) (i) $1010111_2 = 64 + 16 + 4 + 2 + 1 = 87$ (ii) $460_8 = 256 + 48 = 304$ (iii) $F5_{16} = 240 + 5 = 245$

c) Number of Lines

Font Size

Correct use images , drawings, tables or graphs

Use of colours

Animation and Video

d) Normal View, Slide Sorter View Reading view, Slide show

e) Base, Access, MySQL, Oracle

2marks X5 =10 Marks

04)

a) L,O,P

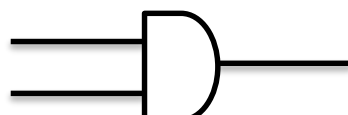
(3 marks)

b) (i)

A	B	C
0	0	0
0	1	0
1	0	0
1	1	1

(2 marks)

(ii)



(3 marks)

05)

- i. C2: C5
- ii. function 1: Sum Cell 1 : B2 Cell 2 :D2
- iii. click on the cell E2 → Click on the Fill handle → Drag the Fill Handle to E5
OR
click on the cell E2 → Click on the Fill handle → Drag the Fill Handle to E6
OR
2,3,1
- iv. function 2: max Cell 3 : B2 Cell 4 :B5 (Tamil Medium)

function 2: max Cell 3 : B2 or C2 Cell 4 :B5 or C5 (English Medium)
- v. =Rank(E2,E\$2:E\$5) OR
=Rank(E2,E\$2:E\$5,0) OR
=Rank(F2,F\$2:F\$5)

2marks X5 =10 Marks

06)

- a) 3,7
- b) 9
- c) 12 OR 14
- d) 18
- e) 20

2marks X5 =10 Marks

07)

- i. Student SID
Teacher TID
Sport SportID

0.5 X3= 1.5 Marks

ii.

- a) Teacher Table
- b) Deleted Record

1 Mark

T02 Anton 3-II Sport2

Insert Record

T02 Perera 3-II Sport2

(TID , TGradce any data is possible)

1X2= 2 Marks

iii. 1 : M

1.5 Marks

iv.

- a) Sport , Teacher
- b) Sport

2 Marks

Sport4 Basket Ball 7

Teacher

T04 Raman 2II Sport4

1X2= 2 Marks