

மாகாணக் கல்வித் திணைக்களம், வடக்கு மாகாணம்
Provincial Department of Education, Northern Province.

கல்விப் பொதுத் தராதரப் பத்திர (சாதாரண தர) இரண்டாம் தவணைப் பரீட்சை - 2019 ஜூலை
General Certificate of Education (Ord.Level) Second Term Examination - 2019 July

தகவல் தொடர்பாடல் தொழினுட்பவியல் I, II
Information & Communication Technology I, II

80

E & T

I, II

Information & Communication Technology – Marking Scheme

Part I

1	2	11	2	21	1	31	1
2	2	12	2	22	2	32	4
3	2	13	2	23	3	33	3
4	4	14	4	24	4	34	4
5	2	15	4	25	4	35	1
6	2	16	1	26	4	36	4
7	2	17	2	27	3	37	3
8	4	18	2	28	3	38	2
9	2	19	2	29	3	39	2
10	2	20	2	30	2	40	4

(1X40=40 marks)

Part II

1) i) $731_8 = 0111011001_2 = 0001\ 1101\ 1001 = 1D9_{16}$ (Step 1 mark, Answer 1 mark)

ii) a) (A.B).(B.C) 1mark

b)

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

 1 mark

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

iii) 1-A, 2-C, 3-D, 4-B (0.5X4 = 2marks)

iv) a) This **model** is simple and easy to understand and use, well defined user requirements (1mark)

b) Identification of requirements (1mark)

v) Bold, Underline, Superscript (if incorrect tools or a tool are/is included to the answer no marks awarded)

one correct – 1 mark

two correct – 1.5 marks

all are correct – 2 marks

vi) x- DNS y-ISP z-spam w- HTTP (0.5X4 = 2marks)

vii) a:= 70; b:=150.35; (1X2 = 2marks)

viii) a) X - Sum+N Y- $N \bmod 2=0$ (0.5X2 = 1mark)

b) 18 (1 mark)

ix) PaaS, SaaS, IaaS

one correct – 1 mark

two correct – 1.5 marks

all are correct – 2 marks

x) a) True b) True c) False d) False (0.5X4 = 2marks)

2) a) I. Downloading II. Uploading
 III. Mail Server IV. Home Page (0.5X4 = 2marks)

b) × installing software of server computers to client computers

× Fixing problems on client computers (2X2 = 4marks)

c) I. True II. False III. False IV. False (1X4 = 4marks)

- 3) ❶ - title ❷ - align ❸ - h2 ❹ - href ❺ - src ❻ - alt ❼ - hr
 ❽ - u ❾ - face ❿ - ul (1X10 = 10marks)

- 4) a) i) =sum(B4:G4) ii) =sum(B4:B12)
 iii) =sum(H4:H12) or =sum(B4:G12) or =sum(B13:G13)
 iv) =(B13/\$H\$13)*100 or =(B13/\$H13)*100 (1.5X4=6marks)
 b) i) slide show ii) slide sorter
 iii) .ppt or .pptx (give marks for possible answers) iv) animation (1X4=4marks)

- 5) a) Customer Table – Cus_ID Bank Table- Bank_ID (0.5x2=1 mark)
 b) Customer Table – Cus_ID primary key Customer_Bank Table - Cus_ID foreign key
 Bank Table- Bank_ID primary key Customer_Bank Table - Bank_ID foreign key
 (1x2=2 marks)
 c) Customer Table (No marks awarded if additional table name) (1X1=1 mark)
 d) i) Customer Table, Customer_Bank Table (No marks awarded if additional table name)
 (0.5x2=1 mark)

ii) Customer Table

1004 Mugan (1x1=1 mark)

Customer_Bank Table

1004 8928 28413 (1x1=1 mark)

- e) i) Bank Table (No marks awarded if additional table name) (1x1=1 mark)

ii) 8923 LMN (1x1=1 mark)

- f)

Cus_ID	Acc_No
1001	74931
1003	73141

 (0.5x2=1 mark)

- 6) a) P – Maintenance of the system Q – Deployment of the system
 R – Coding of the solution S – Identification of requirements
 T – Designing of the solution U – Testing and Debugging
 (1x6=6 marks)

b) i) Parallel (2x1=2 marks)

ii) Advantage :- Parallel running allows results to be compared to ensure that the new system is working without any errors (1x1=1 mark)

Disadvantage :- High cost for maintenance (1x1=1 mark)

7) a) 1 – Is A =C 2 – Yes 3 – No 4 - Print “Equilateral Triangle”
5 – Yes 6 - Print “Isosceles Triangle” (0.5x6=3 marks)

b) Begin

Read Sides A, B & C

If A=B then

 If A=C then Print “Equilateral Triangle”

 Else Print “Isosceles Triangle”

 End if

Else

 If B=C then Print “Isosceles Triangle”

 Else Print “Scalene Triangle”

 End if

End if

(5 marks- give partial marks)

End

c) A=5, B=5, C= 3

A=B condition (True) and A=C condition False

So the output is **Isosceles Triangle**

(2 marks – give partial marks)