

Information and Communication Technology-Answers

Grade 10

Paper I

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

1.

(i) Impact : Dot-matrix

Non-Impact :Laser/Inkjet(1+1 with example)

(ii) 1-S

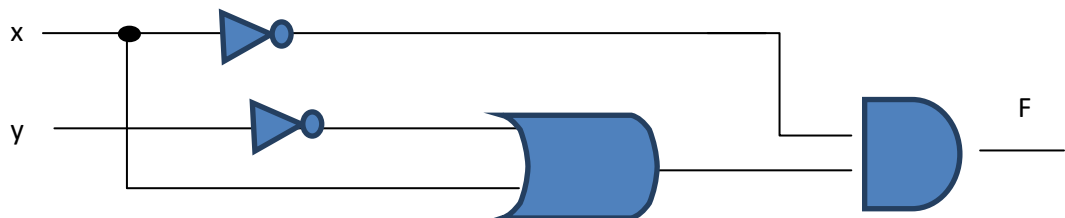
2-R

3-P

4-Q (.5x4=2)

(iii) 19D (2marks)

(iv)
(2marks)



(v)

a-Router

(vi) Bar chart/column chart / Line chart
(2marks)

b- Half Duplex

(vii)

c-Radio waves

Wastage of the capacity

d-Fiber optic

Data inconsistency

(.5x4=2)

Decrease efficiency

(viii) A-Input B-Input/Output

C-Inf

Decrease accuracy etc. any of two
suitable answers (2marks)

(ix) Android (2 marks)

(x) Make the settings public as friends only, use strong passwords, refuse fake accounts etc. any suitable answer (2marks)

2.

(i) FF (with the steps.2marks ,no part marks, without steps –no marks).

(ii) 0100 0011 1001₂ (2marks)

(iii)

Coding system	Bits used	Number of characters displayed
BCD	4	10
ASCII	7	127
UNICODE	16	65536

(iv) 1 AND Gate(.5 mark), 2 NOT Gates in correct order(.5+.5=1 mark), OR Gate(.5mark)→2 marks

For the correct truth table (.5x.4→2 marks)

total marks→4marks

(3)

a.

i. True

ii. True

iii. True

iv. True

v. True

(1x5=5 marks)

b.

i. Mail merge (1mark)

ii. Data source (2marks)

- c.
- i. Ctrl+H - Replace words
 - ii. Ctrl+A - Select all in the document
 - iii. Ctrl+END - Get the cursor to the end of the document
 - iv. Ctrl+N - Get a new document (.5x4=2)

4. I.
- | | |
|-----------------------|--------------------------|
| A. User | D. Other system Software |
| B. Application system | E. Hardware, |
| C. Operating system | |
- (5marks)

4-II-a

4-II-b any suitable answer 1mark

A	R
B	S
C	P
D	Q

(1x4=4marks)

-most appropriate number of lines per slide are 6-9.

-keep the font size at 32 points or more

-Correct use of grammar and language

-Inserting images, drawings, tables or graph

- 5.
- i. =C2*D2 (2marks)
 - ii. =SUM(E2:E5) (2marks)
 - iii. =E6*D7 or =E6* 3% (2marks)
 - iv. =E6-E7 (2marks)
 - v. By using cloud computing
Google sheets
By downloading open office calc etc.(2marks for any suitable two answers)

- 6.
- i. **Item_table**- item_no **Borrower_table**- consumer_no
 - ii. **Issuing_table**- item_no and **Issuing_table**- consumer_no
 - iii.

a. **Item_table**

b.

item_no	item_name	quantity
M005	router	01

iv.

a. **Borrower_table** and **Issuing_table**

b.

consumer_no	name	description	class
5201 (may change)	Hashini Mangala	teacher	-

Issuing_table

retrieval date	item_no	consumer_no	Delivery date
	M002	5201 (should equal with item table)	2019/07/25

v. Data duplication may occur, can't put relationships etc.