

G.C.E.(OL) Practice paper – 2019
 Department of education- North western Province
 ICT - Answers
 Paper 1

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

1 X 40 = 40 Marks

Paper ii

- 1)
- i) Input - Barcode / Credit card
 Process - Calculating the total amount for each product / Calculating total bill amount/
 Output - Bill / SMS (2 Marks if all three answers are correct, 1 mark for 2 correct answers, 0.5 for 1 correct answer)
 - ii) Price of a pen - C₁₆ - 1 * 12 - σ₁. 12
 Price of 2 pens - σ₁. 12 * 2 - σ₁. 24 (0.5 Marks)
 Price of a book - 5B₁₆ - 1 * 11 - 11

$$\begin{array}{r} 16 * 5 - 80 \\ \underline{\quad\quad} \\ 91 \end{array} - \sigma_1. 91 \quad (0.5 \text{ Marks })$$
 Total amount - σ₁. 115 (1 Mark)
 - iii) $(\overline{A \cdot B}) + \overline{A \cdot B}$ (2 Marks)
 - iv) 1 - C , 2 - D , 3 - B , 4 - A (2 Marks)
 - v) Loss of efficiency as it takes more times for reading a file. (2 Marks)
 - vi) 1 - C , 2 - D , 3 - B , 4 - A (0.5 x 4 Marks)
 - vii) 1 - P , 2 - S , 3 - R , 4 - Q (0.5 x 4 Marks)
 - viii) A - True B - False C - False D - True (0.5 x 4 Marks)
 - ix) Advantages - Ability to connect anytime and anywhere / efficiency
 Disadvantages - Need an uninterrupted internet connection / inability to conduct in slow connections/
 Hardware or software failures (01 x 2 Marks)
 - x) P - 9 Q - i R - count (2 Marks for if three answers are correct, 1 Mark if 2 answers are, 0.5 marks if 1 answer is correct)

2) A)

- i)
 - a. Facebook, Twitter, LinkedIn etc. (0.5x 2 Mark)
 - b. Discussion forums / ability to share ideas with people all over the world/ to sale products at cheap prices (1 Mark)
 - c. Releasing images to internet without permission/Defaming others with fake infomation / Stealing personal informaiton/ Cheating others and maintaining undesirable relationships / Harming individuality . (1 Mark for suitable 2 answers)

- d. Be careful when releasing personal information to social media / Be careful when joining friends/
Avoid opening doubtful emails / Be careful when installing software distributed over social media.
(2 Marks for 2 correct answers)

- ii)
a. Cancers, diseases in nervous system, Skin infections, Kidney diseases etc. (1 Mark for 2 answers)
b. Reduce, Reuse, Recycle (1 Mark for 2 steps)

- B) A- Q- Y (1 Mark)
B- R - Z (1 Mark)
C- P - X (1Mark)

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- 3) A)
1 - title 2 - i 3 - center 4 - align 5 - face 6 - color 7 - border
8 - caption 9 - th 10 - colspan 11 - td 12 - rowspan (0.5 x 12 = 06 Marks)

Note : Marks are not given when tags are enclosed with <>

- B) i. suresh@gmail.com , raveen@ymail.com (1 Mark)
ii. suresh@gmail.com , raveen@ymail.com , sarath@abc.net (1 Mark)

- C) i. A - web server
B - multimedia server (0.5 x 2 = 01 Mark)
ii. B (0.5 Marks)
iii. No (0.5 Marks)

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- 4) A)
i. =sum(B4:B7) (1 Mark)
ii. =B4 * E\$10 or =B4 * \$E\$10 (2 Marks)
iii. Function 1 - sum, cell 1 - E4, cell 2 - E6 (2 Marks if all three terms are correct , 1 mark if 2 answers are correct, 0.5 if only one answer is correct)
iv. =C9 - B10 (1Mark)
- B)
i. 1 - Normal view) 2 - Slide sorter view)
3 - Reading view 4 - Notes Master. (0.5 x 4 = 02 Marks)
ii. a) ✓ b) x c) x d) ✓ (0.5 x 4 = 02 Marks)

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- 5)
a) Customers - Custmer_No , Distribution officer - Distribution_officer_No , Orders - Order_No
(0.5 x 02 = 01 Marks)
b) Customers and Orders - (One - Many) (1 Marks)
One customer places many orders but an order is made by only one customer. (2 Marks)
- ii. a) A foreign key is a column or group of columns in a relational database table that provides a link between data in two tables. It acts as a cross-reference between tables because it references the primary key of another table, thereby establishing a link between them. (2 Marks)

- b) i) Orders , Customers (2 Marks)
ii)

Orders			
Order_No	Order	Customer_No	Distribution_Oficer_NO
A1009	IG Keyboard	104	Dis_10

Customers		
Customer_No	Name	Contact_No
104	F Perera	0772050657

(2Marks)

- 6)
- i)
- Difficult to search data / Difficult to take backups / Difficult to analyze data / Difficult to insert, update, delete data./ Need more space for data store (1 Mark)
 - User can log into system anytime, anywhere (1Mark)
 - Enhance efficiency / Accuracy and usability / ability to provide a quality service (2 Marks)
 - Unit testing / System testing / Integrated testing / Acceptance testing (1.5 Marks)
 - No, all requirements of the new system are not clearly mentioned. (2 Marks)
- ii) 1 – B , 2 – E , 3 – D , 4 – C , 5 – A (2.5 Marks)

- 7)
- i) 1 – Num 2 – Total 3 – Num 4 – Total (4 Marks)
- ii) selection in iteration (2 Marks)
- iii) Begin
- ```

Total = 0
Num = 1
While Num <= 20
 X = Num Mod 2
 If x = 0 then
 Total = Total + Num
 End if
 Num = Num + 1
End while
Display Total
End

```
- (4 Marks )