

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 - C<sub>16</sub> - 1 \* 12 - σ<sub>1</sub>. 12  
 Price of 2 pens - σ<sub>1</sub>. 12 \* 2 - σ<sub>1</sub>. 24 (0.5 Marks )  
 Price of a book - 5B<sub>16</sub> - 1 \* 11 - 11  

$$16 * 5 - 80 - 91 - \sigma_1. 91 \quad (0.5 \text{ Marks } )$$

$$\text{Total amount} - \sigma_1. 115 \quad (1 \text{ Mark } )$$
  - 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)

---

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)

---

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 )

---

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 )