

Answer Paper - Paper II

01. (3) 02. (3) 03. (4) 04. (3) 05. (1) 06. (4) 07. (2) 08. (1) 09. (1) 10. (3)
 11. (3) 12. (2) 13. (2) 14. (3) 15. (3) 16. (4) 17. (2) 18. (3) 19. (4) 20. (3)
 21. (4) 22. (3) 23. (1) 24. (3) 25. (3) 26. (1) 27. (3) 28. (2) 29. (1) 30. (3)
 31. (2) 32. (4) 33. (4) 34. (4) 35. (1) 36. (4) 37. (3) 38. (3) 39. (1) 40. (1)

Paper II

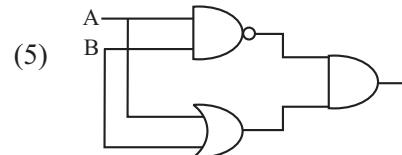
01. (1) ★ E-Commerce ★ Online shopping ★ Online Trading ★ Accounting software
 ★ Computer networks ★ internet and website related to the business.

(2) ★ relevant ★ Accuracy ★ Timely ★ low cost

(3) ★ Data input ★ process ★ out put information ★ storage information
 ★ communication

(4) A - 521₈ B - 73₈
 101010001₂ 111101₂

(6) X = 1 Y - 0



(7)	CRT - more space very high power consumption very heavy comparatively cheap.	LCD - less space very low power consumption very light or not very heavy Comparatively expensive
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(8) Windows Menus
 Icons Pointers

(9) O₂ Subscript 1st Superscript

(10) Ada Augusta Lovelace

02. (1) Artificial Intelligence

(2) **The 1st Computer generation**

The 2nd Computer generation

- ❖ Used Vacuum Tubes
- ❖ Punch Cards used for data input and output tasks
- ❖ Based on machine language
- ❖ Got very large space.
- ❖ very big
- ❖ Used Integrated Circuits
- ❖ Key board and mouse used to data input.
- ❖ Used the high level computer languages.
- ❖ very small size

(3) 1. Education field - WBT web based teaching.

- ❖ use the multimedia facilities
- ❖ distance education
- ❖ E-learning learning management.

2. Agricultural field - weather measuring instrument or

- machines
- ❖ drip irrigation
- ❖ plantation with Robo technology
- ❖ Automatic weeding machines
- ❖ Green houses.

3. Entertainment sector - Social Network

- ❖ Computer games
- ❖ download the songs, movies video etc. in the internet.
- ❖ Taking Digital photos, painting.

(4) Super Computer - Military service

Mainframe Computer - High scale trading or business
 Mini Computer - bank system
 Personal Computer - house, school

03. (1) ★ Sharing of resources ★ Speed to transfer data and information with computers ★ Ease in centralized software management ★ security ★ Internet and E-mail facilities.
 (2) ★ Advertising about that business using websites
 ★ Networking the other business branches and managing at one place.
 (3) Star Topology
 ★ Easy to connect few computers to that network.
 ★ Easy to identify errors computer in the network.
 ★ It is not affected to whole network.
 ★ Can easy in connect and remove the computers where necessary.
 Ring Topology
 ★ Can see fast data transmission
 ★ Can easy connect computer
 ★ It is good for very small network place.

(4) LAN WAN
 ★ Spread in a small area ★ Spread in a large area
 ★ can easy to maintain and manage ★ Very complex task to maintaining and manage. Ex: Internet
 Ex: office, school

04. (1) $(A \cdot \bar{B}) \cdot (\bar{A} + B)$
 (2)

A	B	\bar{A}	\bar{B}	$A \cdot \bar{B}$	$\bar{A} + B$	$(A \cdot \bar{B}) \cdot (\bar{A} + B)$
0	0	1	1	0	1	0
0	1	1	0	0	1	0
1	0	0	1	1	0	0
1	1	0	0	0	1	0

 (3) i) 100111_2 ii) 100101_2

$$\begin{array}{r}
 - 11111_2 \\
 1000_2 \\
 \hline
 \end{array}
 \qquad
 \begin{array}{r}
 1001_2 \\
 11100_2 \\
 \hline
 \end{array}$$

 (4) $3D_{16} = 61$

$$\begin{array}{r}
 3 \qquad D \\
 | \qquad \qquad \qquad 16^0 \rightarrow 1 \times 13 = 13 \\
 | \qquad \qquad \qquad 16^1 \rightarrow 16 \times 3 = 48 \\
 \hline
 \qquad \qquad \qquad 61
 \end{array}$$

05. (1) A - insert - WordArt B - insert - Picture
 C - insert - Table D - insert - Shape
 E - Home - Bullets

(2) ★ Select save button → Select my Document → Type the File name → Save
 Or
 ★ Click office button → Save as → Select my Document → Type the file name → Save
 (3) A - Left Alignment B - Line Space