

**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**

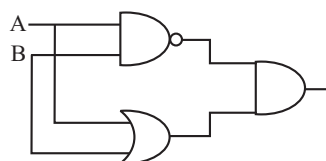
01. (1) ★ E-Commerce ★ Online shopping ★ Online Trading ★ Accounting software  
 ★ Computer networks ★ internet and website related to the business.

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

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

- (4) A -  $521_8$  B -  $73_8$   
 $101010001_2$   $111101_2$

(5)



- (6) X = 1 Y = 0

|                             |                              |
|-----------------------------|------------------------------|
| (7) CRT - more space        | LCD - less space             |
| very high power consumption | very low power consumption   |
| very heavy                  | very light or not very heavy |
| comparatively cheap.        | Comparatively expensive      |

- (8) Windows Menus  
 Icons Pointers

- (9) O<sub>2</sub> Subscript 1<sup>st</sup> Superscript (10) Ada Augusta Lovelace

02. (1) Artificial Intelligence

**The 1<sup>st</sup> Computer generation**

- ❖ Used Vacuum Tubes
- ❖ Punch Cards used for data input and output tasks
- ❖ Based on machine language
- ❖ Got very large space.  
very big

**The 2<sup>nd</sup> Computer generation**

- ❖ 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

- ❖ 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

★ Spread in a small area

★ can easy to maintain and manage

★ good for limited areas

Ex: office, school

WAN

★ Spread in a large area

★ Very complex task to maintaining and manage. Ex: Internet

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)  $100101_2$
- $11111_2$        $1001_2$
- $1000_2$        $11100_2$

- (4)  $3D_{16} = 61$
- |   |                    |                    |
|---|--------------------|--------------------|
| 3 | D                  |                    |
|   | $16^0 \rightarrow$ | $1 \times 13 = 13$ |
|   | $16^1 \rightarrow$ | $16 \times 3 = 48$ |
|   |                    | <u>61</u>          |

05. (1) A - insert - Word Art      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