

November 2022

Time - Three hours
(Maximum Marks: 75)

- [N.B. 1. Q.No. 8 in PART - A and Q.No. 16 in PART - B are compulsory. Answer any FOUR questions from the remaining in each PART - A and PART - B.
2. Answer division (a) or division (b) of each question in PART - C.
3. Each question carries 2 marks in PART - A, 3 marks in Part - B and 10 marks in PART - C.]

PART - A

1. Define processor.
2. Mention two types of formatting.
3. State the different types of mouse.
4. List any four types of virus.
5. Give the types of battery used in laptop.
6. What is internet?
7. What is gateway?
8. What is *http*?

PART - B

9. What are the front and rear panel connectors available in computer?
10. Write the operation of optical mouse.
11. Define the standard CMOS setup.
12. Define half duplex.
13. List down the network devices.
14. Write the concept of ARP.
15. Define telnet.
16. Draw the block diagram of ATX power supply.

[Turn over.....

PART - C

17. (a) Explain: (i) PCI (ii) Direct RDRAM.
(Or)
(b) Explain the construction and working principle of hard disk with neat diagram.
18. (a) Explain in detail about LCD and TFT.
(Or)
(b) Explain the working of SMPS with a diagram.
19. (a) Write down the steps involved in OS installation.
(Or)
(b) What are computer viruses? Explain firewall and diagnostic software.
20. (a) Explain: (i) Mesh topology (ii) MAN.
(Or)
(b) Explain OSI model with neat diagram.
21. (a) Explain in detail about 802.X protocol.
(Or)
(b) Explain: (1) FTP (2) SMTP (3) POP (4) DNS (5) Dotted decimal notation.
