

Register No.:

605

October 2023

Time - Three hours
(Maximum Marks: 100)

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART - A

1. What is the use of a port?
2. What is AGP? List its uses.
3. Define Tracks, Sectors, Cylinder.
4. Define printer and its types.
5. What is the use of Video Capture Card?
6. What are the types of Error Messages?
7. What is hardware up-gradation?
8. What are the types of Battery available in laptop?
9. Define Moore's Law.
10. What is the limitation of RDMA?

PART - B

11. (a) Explain about Motherboard Form factor Block diagram.
(Or)
(b) Explain about North/South Bridge Architecture with neat diagram.
12. (a) (i) Briefly explain about Laser printer with neat diagram. (7)
(ii) Explain Recordable DVD with diagram. (7)
(Or)
(b) Draw the flowchart for the troubleshooting of mouse. Explain.
13. (a) (i) Explain about the BIOS functions. (7)
(ii) List out error messages and beepcodes in BIOS. (7)
(Or)
(b) Explain about how LED principles work for display.
14. (a) Explain about Trouble shooting of laptop and desktop problems.
(Or)
(b) (i) Explain steps for assembling and disassembling of Mobile Phone. (7)
(ii) Explain the different IC's used in mobile phone and their functions. (7)
15. (a) (i) Briefly explain about Non-Volatile Memory. (7)
(ii) Explain about Phase Change Memory operation. (7)
(Or)
(b) (i) Explain about AC circuits and DC circuits. (10)
(ii) List out the applications and advantages of embedded systems. (4)
