

April 2018

*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 motherboard form factor.
2. What is firmware?
3. List the types of memory errors.
4. Give the full form of LCD and LED.
5. Define POST.
6. List the types of adaptor used in laptop.
7. What is mobile communication?
8. List the SMD components of laptop.

PART – B

9. List the features of Xeon processor.
10. Write any five features of AGP bus.
11. Explain the types of formatting.
12. Explain cold and warm booting.
13. Explain active and passive maintenance.
14. List the types of batteries and write the basic problems of them.
15. Define routing and explain its operation.
16. Define graphics card and its applications.

[Turn over.....

PART – C

17. (a) Define chipset and explain hub architecture.
(Or)
(b) Explain motherboard architecture with block diagram.
18. (a) Briefly explain about the recording and playback principles of DVD-ROM.
(Or)
(b) Explain the working principles of bar code scanner.
19. (a) Explain the working principle of plasma panel.
(Or)
(b) Explain BIOS error codes.
20. (a) How to upgrade BIOS and memory?
(Or)
(b) Explain how to configure laptop and power settings.
21. (a) Explain briefly about names and functions of IC's used in mobile phone.
(Or)
(b) (i) Write short notes on anti-virus software.
(ii) Write short notes on mobile viruses.
