Register No.

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 jumpers.

2. Write any two features of PCI.

3. What is access time?

4. Define key bouncing.

5. Write the principles of TFT display.

6. What is POST?

7. Define active maintenance.

8. What is buzzer?

PART – B

9. Write short notes on core i5 series.

10. Define memory stick.

11. Draw a flow chart for trouble shooting of mouse.

12. Write about video capture card.

13. Differentiate laptop and desktop.

14. Define ear piece.

15. What is meant by flashing?

16. What are the error messages in POST?

[Turn over.....

PART – C

17. (a) Explain (I) Quad core series (II) I7 series

    (Or)

    (b) Explain (I) AGP (II) USB.

18. (a) Explain (I) solid state drive (II) Keyboard matrix.

    (Or)

    (b) Explain the working principle of dot matrix printer with neat diagram.

19. (a) Explain the working principle of LED displays.

    (Or)

    (b) Explain the basic principle of operation of SMPS with neat block diagram.

20. (a) Draw the block diagram of laptop and explain.

    (Or)

    (b) Explain (i) Preventive maintenance (ii) Application software.

21. (a) Explain (i) Battery (ii) Microphone.

    (Or)

    (b) Explain (i) Routing (ii) Mobile viruses.