



25005438

QP CODE: 25005438

Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) SPECIAL REAPPEARANCE EXAMINATIONS, FEBRUARY 2025**

**Fifth Semester**

B.Sc Electronics and Computer Maintenance Model III

**CORE COURSE - EM5CRT05 - PC MAINTENANCE AND TROUBLESHOOTING**

2022 Admission Only

744E1DC8

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Name the different types of pointing and positioning devices.
2. What is the principal of operation of a digital camera?
3. What is the concept of cache memory?
4. What is PGA?
5. What are the functions of BIOS?
6. What is the significance of CMOS battery?
7. What is FDISK?
8. What is IDE?
9. What is MBR?
10. What is serial port? Write the connectors names.
11. What is virus? Give examples.
12. What is Norton utilities ?

(10×2=20)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain the mechanical keyboard.
14. Explain the operation of inkjet printer.
15. Explain the various specifications of a processor.





16. What are the major areas ATX improves on mini AT and LPX motherboards ?
17. Explain the various types of ROM.
18. Explain the concept of virtual memory.
19. Explain the classifications of a hard disk.
20. Write about IEEE 488 GPIB.
21. How we can troubleshoot a motherboard and processor?

(6×5=30)

**Part C**

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain the operation of a laser printer.
23. Explain in detail the POST operation.
24. Explain the various optical storage devices.
25. In detail explain the various optical drive problems and troubleshooting.

(2×15=30)

