



QP CODE: 25011168



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Reg No :

Name :

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

Fifth Semester

B.Sc Electronics Model III

CORE COURSE - EL5CRT16 - COMPUTER HARDWARE

2022 Admission Only

857A0C87

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What are the different components in a motherboard?
2. Why SMPS is used in PC instead of Linear Power supply?
3. What are the roles of a chipset in a motherboard?
4. What you mean by Front Side Bus?
5. What is POST?
6. Explain FPM RAM.
7. What is the need for partitioning a HDD?
8. On a CD drive 32X is printed, then what is the value of X?
9. What is mirroring and striping?
10. What are the major serial port standards ?
11. Name the various USB standards?
12. What are the uses of OTG?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Explain the working of any two pointing devices used with PCs.
14. Explain the various Intel processor evolution.





15. Explain AT and ATX form factors.
16. Explain the various I/O buses in a motherboard.
17. Describe the ROM shadowing and its uses.
18. Discuss the features of BIOS Setup.
19. Compare between Parallel ATA and Serial ATA.
20. Explain the construction details of a HDD.
21. Explain the parallel ports and parallel standards.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. What are the different types of Monitors? Explain in detail.
23. Explain the features of a Bridge architecture based chipset.
24. Explain Physical memory organisation.
25. What is SCSI? Explain the features of SCSI1, SCSI2 and SCSI3.

(2×15=30)

