



QP CODE: 23104808	Reg No	:	
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B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE EXAMINATIONS, FEBRUARY 2023

First Semester

Complementary Course - EL1CMT05 - ELECTRONICS COMPUTER FUNDAMENTALS AND BASICS OF PC HARDWARE

(Common to B.Sc Computer Science Model III, B.Sc Information Technology Model III)
2017 Admission Onwards

486E0AF8

Time: 3 Hours Max. Marks: 80

Part A

Answer any **ten** questions.

Each question carries **2** marks.

- 1. What are Digital computers?
- 2. List the basic components of Computer.
- 3. Discuss ordinary d.c power supply.
- 4. Discuss the role of SMPS in a PC.
- 5. Compare any two diffrences of Inverters and UPS.
- 6. Compare parallel and serial ports.
- 7. What is ROM-BIOS?
- 8. What do you mean by GUI?
- 9. What is an image scanner?
- 10. Explain any two differences between SRAM and DRAM.
- What is the storage capacity of a double-sided disk,which has 400 tracks,16 sectors per track and 512 bytes/sec.
- 12. Discuss blue-Ray Disk.

 $(10 \times 2 = 20)$



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Part B

Answer any six questions.

Each question carries 5 marks.

- 13. Discuss the charecteristic features of first and second generation of computers.
- 14. Write notes on Memory.
- 15. Explain computer hardware.
- 16. Write a short note on EISA.
- 17. With a neat diagram explain the working of a CRT monitor.
- 18. Distinguish between character, line and page printers, Give examples.
- 19. How are these different- PROM, EPROM and EEPROM?
- 20. List the key fetures of the hard disk.
- 21. What does RIMM stands for? Explain the features of RIMM and how it differs from DIMM.

 $(6 \times 5 = 30)$

Part C

Answer any two questions.

Each question carries 15 marks.

- Write short notes on
- (a) clock speed (b) memory speed (c) memory capacity (d) CPU
- 23. Discuss the steps for assembling a PC.
- 24. What are non-CRT displays? Give examples and discuss their operating principle.
- 25. What are the types of optical disks used in computers?

 $(2 \times 15 = 30)$

