23104808

QP CODE: 23104808

Reg No : .....

Name : .....

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.
11. 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.

(10×2=20)

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.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. 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?

(2×15=30)