QP CODE: 21102613

21102613

Reg No : .....

Name : .....

B.Sc.DEGREE (CBCS) EXAMINATIONS, OCTOBER 2021

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

5432D580

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Write short notes on difference between 1st and 5th generation computers.
2. What are hybrid computers?
3. What is the need for regulated power supply?
4. List any two differences between online and offline UPS.
5. Why is motherboard so named?
6. What is a hub?
7. Illustrate the steps to be followed while switching on an assembled PC.
8. Mention some applications of OMR devices
9. Mention the features and limitations of dotmatrix printers.
10. What is ROM? Why is it so called? Give any one typical use of ROM.
11. What is the difference between tracks and sectors?
12. What are magneto-optical disk?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Give a brief description on the charecteristics of computers.

14. Write notes on different input and output units .

15. Explain SMPS.

16. Write a short note on EISA.

17. With a neat diagram explain the working of a CRT monitor.

18. Write a note on non-CRT displays.

19. List the key fetures of the hard disk.

20. Explain HVD in detail. Also explain how data is stored in HVD.

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. Explain in detail the steps involved in booting process.

23. Discuss the steps for assembling a PC.

24. Write a note on the various categories of input devices. Give suitable examples.

25. What is memory and explain the types?

(2×15=30)