B.Sc.DEGREE(CBCS)EXAMINATION, DECEMBER 2018

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)

2018 Admission only

67FF4E9B

Maximum Marks: 80   **Time: 3 Hours**

Part A

Answer any **ten** questions.

Each question carries **2** marks.

1. Define Computer.

2. List any two charecteristics of second generation computer

3. Discuss any four hardware .

4. What makes SMPS better than ordinary power supply?

5. Why is motherboard so named?

6. Compare parallel and serial ports.

7. Define POST.

8. What is a voice-recognition device? Give example.

9. What is an output device? Name some commonly used O/P devices

10. Discuss on-line memory and off-line memory devices?

11. Explain briefly about the term Root Directory in magnetic disks

12. Discuss blue-Ray Disk

(10×2=20)

Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Write notes on output unit

14. Write notes on POST and BIOS.

15. What is UPS? Describe its features.

16. Write a short note on EISA.

17. Explain the technique used by OMR device for recognition of marks?

18. Name the basic types of monitors along with their relative advantages and disadvantages

19. How are these different- PROM,EPROM and EEPROM?

20. Write two features of CD-R,CD-RW,DVD_R

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. Give a detailed description on classification of computers.

23. Discuss the steps for assembling a PC.

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

25. Explain magnetic disk in detail.

(2×15=30)