

QP CODE: 19101214



Reg No : .....  
Name : .....

**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)

**2017 Admission (Reappearance)**

11381378

**Maximum Marks: 80**

**Time: 3 Hours**

**Part A**

Answer any **ten** questions.

Each question carries **2** marks.

1. List any two characteristics of fourth generation computer
2. What is an input device? Name any three input devices.
3. Discuss ordinary d.c power supply.
4. State the advantages of SMPS over conventional regulating circuits.
5. Compare parallel and serial ports.
6. Explain CMOS memory?
7. (a) What is a USB?  
(b) What are the different versions of USB?  
(c) What are the advantages of USB?
8. What are peripheral devices? Why are they called so?
9. What is the principle of operation of an LCD monitor?
10. What is memory? what is its function?
11. What is Flash memory? why is it so called?
12. Discuss blue-Ray Disk

(10×2=20)

**Part B**

Answer any **six** questions.

Each question carries **5** marks.

13. Explain analog, digital and hybrid computers.
14. Compare clock speed and memory speed.





15. Explain computer hardware
16. Explain serial and parallel ports.
17. Why do current speech recognition devices have limited success?
18. Explain the printing mechanism of laser printers?
19. Write short notes on a) clusters b) cylinders c) tracks
20. Explain in detail about the recordable optical 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. Explain in detail the steps involved in booting process.
23. Explain the steps involved in assembling a PC.
24. Write a note on the various categories of output devices, Give suitable examples?
25. Explain the types of hard disks used in computers?

(2×15=30)

