23145814

QP CODE: 23145814

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE EXAMINATIONS, DECEMBER 2023

First Semester

B.Sc Physics Model II Computer Applications

Vocational Course - CA1VOT01 - COMPUTER SCIENCE - COMPUTER FUNDAMENTALS

2017 Admission Onwards

A0A19256

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is the purpose of using a computer?
2. Differentiate data and information.
3. What are hybrid computers?
4. What is octal nmber system?
5. Perform hexadecimal addition 1DA0+8BE7
6. Perform BCD addition 479+752
7. What do you mean by softcopy output?
8. Inkjet printers are non-impact printers. Why?
9. What are the types of optical disk available today?
10. What is general purpose application software?
11. What is open source?
12. What is Assembly language?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Write a note on abacus and Napier's logs and bones.
14. Describe the advantages of using minicomputer over microcomputer.
15. What is complimentary method subtraction? Using complimentary method subtract the following, i) 10101-01110 ii) 010010-100011
16. Briefly explain various computer codes.
17. Explain the working principles of a mouse.
18. How a laser printer work?
19. What is primary memory? What are the primary memories are using in computer system?
20. Differentiate among hardware, software, firmware and middleware.
21. What are the advantages and limitations of flowcharts? Explain different symbols using in flowcharts.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. What are the different generations of computers? Explain.
23. Discuss about Basic Organization & Working of a computer.
24. What are the various types of scanners using in a computer system?
25. Write notes on a) Antivirus b) Disk defragmenter c) Backup Software d) Compression Software

(2×15=30)