21102445

QP CODE: 21102445

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) EXAMINATIONS, OCTOBER 2021

First Semester

B.Sc Physics Model II Computer Applications

Vocational Course - CA1VOT01 - COMPUTER SCIENCE - COMPUTER FUNDAMENTALS

2017 Admission Onwards

F034E733

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is Mechanical calculator?
2. What is the purpose of using a computer?
3. What is analog computer?
4. What are the basic functional units of a computer system?
5. What are tha components of a CUP?
6. What are ASCII codes?
7. What is sheet-fed scanner?
8. What do you mean by progressive scan?
9. What are the types of optical disk available today?
10. What are the main difference between a compiler and an interpreter?
11. What is the use of disk defragmenter?
12. What is freeware?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Explain Second generation of computer.
14. What are capabilites of a computer?
15. What is complimentary method subtraction? Using complimentary method subtract the following, i) 10101-01110 ii) 010010-100011
16. What are BCD codes? Add numbers in BCD i) 987+345 ii) 702+498
17. Explain the factors used to compare printers.
18. Explain about expansion buses.
19. Discuss about primary memory.
20. What is the difference between general purpose application software and special purpose application software?
21. What is a flowchart? What are the main symbols are using in a flowchart? Give example.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Discuss the important features and uses of micro, mini, mainframe and super computers.
23. Perform the operation a) i)11010.110+10111.011 ii) (7536)8=()16 iii) (11010.01)2=( )8 iv) (10A7D)16=( )2 v) (0.1DFC)=( )8
24. Discuss about keyboard and point and draw category input devices.
25. What are the different type of computer languages? Explain.

(2×15=30)