23104645

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

First Semester

B.Sc Physics Model II Computer Applications

Vocational Course - CA1VOT01 - COMPUTER SCIENCE - COMPUTER FUNDAMENTALS

2017 Admission Onwards

3CF15216

Time: 3 Hours   Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1.   What is abacus?

2.   What is the purpose of using a computer?

3.   What are hybrid computers?

4.   What are the basic functions of a computer?

5.   Define a system.

6.   Perform substraction 10011-1111.

7.   What are flat-bed scanners?

8.   What do you mean by bi-directional printing?

9.   What is BIOS?

10. What is application software?

11. Name any three high level languages.

12. Define Program.

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. What are the charactaristics of a digital computer?

14. Explain how computers are classified based on their size.

15. Perform hexadecimal aritmetic
    i) 1D9A+86CF ii) AB1F.DB+ 38AC.72

16. What are BCD codes? Add numbers in BCD i) 987+345 ii) 702+498

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

18. What is primary memory? What are the primary memories are using in computer system?

19. Explain the storage organization and access mechanism of an optical disk.

20. Discuss the main features of a system software.

21. What is the role of disk defragmenter in Windows? Can it cause any problems?

$(6\times5=30)$

Part C

*Answer any **two** questions.*

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

22. What are the different generations of computers? Explain.

23. Explain various computer codes.

24. Discuss about keyboard and point and draw category input devices.

25. What are the different classification of software based on their licence? Explain.

$(2\times15=30)$