



K22U 3411

Reg. No. :

Name :

**I Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, November 2022
(2019 Admission Onwards)**

**COMPLEMENTARY ELECTIVE COURSE IN COMPUTER SCIENCE
1C01 CSC : Introduction to Computers and Programming**

Time : 3 Hours

Max. Marks : 32

**PART – A
(Short Answer)**

Answer **all** questions.

(5×1=5)

1. What is accumulator ?
2. Differentiate L1 and L2 Cache.
3. Why ASCII code is used ?
4. What is freeware ?
5. What is the use of Loader ?

**PART – B
(Short Essay)**

Answer **any 4** questions.

(4×2=8)

6. Differentiate serial and parallel ports.
7. Convert $(110110.11)_2$ to $(-)_8$.
8. Add 191AF H and 25AAA H.

P.T.O.



9. Differentiate open source and licensed software.
10. How program control flows in loop structure ?
11. Write any two characteristics of a good program.

PART – C
(Essay)

Answer **any 3** questions.

(3×3=9)

12. With the help of a diagram, explain the hierarchy of memory.
13. Differentiate BCD and Binary numbers.
14. Convert :
 - a) 255 to 2's complement number.
 - b) $(2342)_{10}$ to hexa-decimal.
15. What is a network ? Write any two applications of network.
16. Write any three functions of operating system.

PART – D
(Long Essay)

Answer **any 2** questions.

(2×5=10)

17. With a functional block diagram, explain the functional components of a computer system.
 18. Explain different types of ROM.
 19. Explain octal and hexa-decimal number systems. Why hexa-decimal number system is used ?
 20. Write a short note on program development life cycle.
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