K20U 3312

Reg. No. : ....

Name : ....

**I Semester B.Sc. Degree CBCSS (OBE) (Reg./Sup./Imp.)
Examination, November 2020
(2019 Admn. 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 the function of CMOS chip ?

2. List two expansion slots available in the computer.

3. What is a binary number system ?

4. What is OEM software ?

5. What is an assembler ?

PART – B

(Short Essay)

Answer **any 4** questions.   (4×2=8)

6. List four ports and interfaces available on the backside of the computer.

7. What is the function of internal memory ?

8. Explain about Gray code.

9. Perform binary addition on : 0110, 1100.

10. Differentiate between LAN and MAN.

11. Differentiate between compiler and interpreter.

PART – C

(Essay)

Answer **any 3** questions.   (3×3=9)

12. Write short note on CPU.

13. Differentiate registers and cache memory.

14. Convert the following numbers as indicated :

    a) $(597)_{10}$ to binary
    b) $(1001111)_2$ to decimal
    c) $(217)_8$ to decimal.

15. What is software ? Explain the different types of software.

16. What is a flowchart ? Draw and explain the symbols used in a flowchart.

PART – D

(Long Essay)

Answer **any 2** questions.   (2×5=10)

17. What is secondary memory ? Briefly explain any two types of secondary memory.

18. Explain about the different number systems with example.

19. What is an operating system ? Briefly explain the functions of operating system.

20. Briefly explain the different programming paradigms used in writing computer programs.

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