Reg. No. : ....

Name : ....

K19U 3312

I Semester B.Sc. Degree CBCSS (OBE)-Regular
Examination, November - 2019
(2019 Admissions)
COMPLEMENTARY ELECTIVE COURSE IN COMPUTER SCIENCE
1C01CSC : INTRODUCTION TO COMPUTERS AND PROGRAMMING

Time : 3 Hours

Max. Marks : 32

PART- A

(Short Answer)

Answer **all** questions.

(5x1=5)

1. What is the use of ports and interfaces?
2. What is secondary memory?
3. What is the 2's compliment of $(1100110011)_2$
4. What is MAN?
5. What is the function of a loader?

PART- B

(Short Essay)

Answer any **four** questions.

(4x2=8)

6. What is the purpose of RAM.
7. Write short note on CPU.
8. Explain about BCD code.
9. Perform binary addition on : 111100, 011011
10. What is system software? Give two examples.
11. Write the characteristics of a good program.

P.T.O.

PART- C

(Essay)

Answer any **Three** questions.   (3x3=9)

12. Differentiate between cache memory and secondary memory.

13. Differentiate between ASCII code and Unicode.

14. Convert the following numbers as indicated:

   a). $(356)_{10}$ to binary.

   b). $(1010.10101)_2$ to decimal.

   c). $(E16)_{16}$ to decimal.

15. Differentiate between machine language and assembly language.

16. What is structured programming?

PART- D

(Long Essay)

Answer any **Two** questions.   (2x5=10)

17. Explain any five components inside a computer cabinet.

18. What is a number system? Briefly explain the different number systems with example.

19. Write any five ways in which software are made available to the users.

20. Briefly explain the different types of translator software.

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