K17U 2533

Reg. No. : .....

Name : .....

I Semester B.Sc. Degree (CBCSS – Reg./Supple./Improv.) Examination, November 2017

COMPLEMENTARY COURSE IN COMPUTER SCIENCE

1C01 CSC : Fundamentals of Computers and Programming Languages

(2014 Admn. Onwards)

Time : 3 Hours Max. Marks : 32

SECTION – A

1. **One** word answer : **(6×0.5=3)**

   a) _____ is a volatile memory.

   b) BCD stands for _____.

   c) Binary equivalent of the given hexadecimal digit (7F) is _____.

   d) _____ is a computer bus architecture used to transfer data between devices that are identified by the hardware address.

   e) _____ is the means through which we send our data from one place to another.

   f) _____ is a well-defined procedure or steps written that allows a computer to solve a problem.

SECTION – B

Write short notes on **any five** of the following questions : **(5×2=10)**

2. What is the purpose of the main memory in a computer ?

3. What are the storage devices which can be used to backup data ?

4. What is ASCII code ? Give examples.

5. What is the advantage of using Hexadecimal numbers ?

P.T.O

6. What is a computer network ?
7. What is LAN ? What are the objectives of a Local Area Network ?
8. What are the necessary features of a High Level Language ?
9. What is a file ? What are file extensions ?

SECTION – C

Answer **any three** of the following questions : **(3×3=9)**

10. Explain various types of number systems with examples.
11. What are the functions of loader and linker ?
12. What is the difference between system software and application software ?
13. What is Internet ?
14. What are guided and unguided transmission media ?

SECTION – D

Write an essay on **any two** of the following questions : **(2×5=10)**

15. Explain in details various optical storage systems.
16. Write short notes on :
    a) Batch processing systems
    b) Time sharing system
17. Explain in detail various classification of networks.
18. Explain various steps in program development.

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