



M 7840

Reg. No. : .....

Name : .....

I Semester B.Sc. Degree (CCSS – Regular) Examination, November 2014  
(2014 Admn.)

**COMPLEMENTARY COURSE IN COMPUTER SCIENCE**

**1C01 CSC : Fundamentals of Computers and Programming Languages**

Time : 3 Hours

Max. Marks : 32

**SECTION – A**

1. **One word answer :**

**(6×0.5=3)**

- a) \_\_\_\_\_ is non volatile memory.
- b) A system program that translates and executes an instruction simultaneously is \_\_\_\_\_
- c) \_\_\_\_\_ be the binary equivalent of hexadecimal number 8.
- d) Optical fiber uses \_\_\_\_\_ to transmit information.
- e) To execute two or more of a single users tasks concurrently is known as \_\_\_\_\_
- f) In \_\_\_\_\_ transmission mode devices can transmit and receive simultaneously.

**SECTION – B**

Write short notes on **any five** of the following questions.

**(5×2=10)**

2. Expand SDRAM and EPROM.
3. What is BCD system ?
4. Explain the two major categories of transmission media.
5. What is the purpose of cladding in optical fiber communication ?
6. What is Cache Memory ?
7. What is System Software ?
8. Differentiate Compiler and Interpreter.
9. What is top-down analysis ?

P.T.O.



## SECTION – C

Answer **any three** of the following questions.

(3×3=9)

10. Discuss Serial transmission and Parallel transmission with suitable illustration.
11. What are the advantages of bus topology ?
12. Convert the hexadecimal numbers to equivalent binary numbers :
  - a) 5D
  - b) A9
  - c) 5BC.
13. List any three basic functions of an Operating System.
14. Mention the objectives of structured programming.

## SECTION – D

Write an essay on **any two** of the following questions.

(2×5=10)

15. Briefly discuss the different generations of computers.
  16. Explain the different number systems in detail.
  17. With a neat diagram explain (a) Coaxial cable (b) Optic fiber cable.
  18. Write a short note on various types of Operating Systems.
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