



K16U 2490

Reg. No. : .....

Name : .....

I Semester B.Sc. Degree (C.C.S.S. – Reg./Supple./Improv.)  
Examination, November 2016  
COMPLEMENTARY COURSE IN COMPUTER SCIENCE  
1C01 CSC : Fundamentals of Computers and Programming Languages  
(2014 Admn. Onwards)

Time : 3 Hours

Total Marks : 32

SECTION – A

1. **One** word answer : (6×0.5 = 3)
- a) ALU stands for
  - b) Base of binary number system is
  - c) What will be the BCD equivalent of the decimal number 12 ?
  - d) \_\_\_\_\_ combines different modules of the program.
  - e) Interconnected collection of autonomous computers is called
  - f) \_\_\_\_\_ translate programs into object codes by statement wise.

SECTION – B

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

- 2. What is the function of control bus ?
- 3. Mention any two transmission modes.
- 4. What is GRAY Code ?
- 5. Why is coaxial cable superior to twisted pair cable ?
- 6. What is Bubble memory ?
- 7. Explain real time operating system.
- 8. Differentiate LAN and MAN.
- 9. What is Flowchart ?

P.T.O.



## SECTION – C

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

(3×3= 9)

10. Write a short note on Mass storage devices.
11. Explain a) BCD b) EBCDIC c) ASCII.
12. Discuss bus topology, ring topology and star topology.
13. Explain the characteristics of a good program.
14. What is Time sharing system ?

## SECTION – D

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

(2×5=10)

15. Discuss computer network and its topology.
  16. Briefly discuss the key features of an Operating System.
  17. Explain the structure of CPU.
  18. Discuss the various number systems with suitable examples.
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