



K18U 2174

Reg. No. :

Name :

I Semester B.Sc. Degree (CBCSS-Reg./Supple./Improv.) Examination,
November 2018
COMPLEMENTARY COURSE IN COMPUTER SCIENCE
1C01CSC : Fundamentals of Computers and Programming Languages
(2014 Adm. Onwards)

Time : 3 Hours

Max. Marks : 32

SECTION – A

One word answer :

(6×0.5=3)

1. a) ALU stands for
- b) Hexadecimal equivalent of the decimal value 30 is
- c) A system in which processor's time is shared among multiple users simultaneously is termed
- d) In _____ topology network nodes, computer and other devices are interconnected with one another.
- e) Diagrammatic representation of an algorithm is
- f) _____ converts programs written in mnemonic code to machine code.

SECTION – B

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

(5×2=10)

2. What are system buses ? Name them.
3. Define Gray code. Is it a weighted code ?
4. Define operating system. Give an example.
5. What is a network ?
6. Define network topology. Give two examples.
7. What is an application software ? Give an example.
8. Give any two differences between compiler and interpreter.
9. Define algorithm.

P.T.O.



SECTION – C

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

(3×3=9)

10. What is Magneto Optical Storage ? Give two examples.
11. Convert the given binary number (110101) to its equivalent decimal, octal and hexadecimal system.
12. Write short notes on (a) WAN (b) MAN.
13. Discuss the steps involved in developing a program.
14. What are the characteristics of a good program ?

SECTION – D

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

(2×5=10)

15. Explain different types of storage used for backups.
 16. Write short notes on (a) ASCII (b) EBCDIC.
 17. What are the functions of an operating system ?
 18. Explain in detail various types of transmission media used in network.
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