K20U 3174

Reg. No. : ....

Name : ....

I Semester B.Sc. Degree (CBCSS – Supplementary)
Examination, November 2020
(2014 – 2018 Admissions)
COMPLEMENTARY COURSE IN COMPUTER SCIENCE
1C01CSC : Fundamentals of Computers and Programming Languages

Time : 3 Hours

Max. Marks : 32

SECTION – A

1. **One** word answer :

(6×0.5=3)

a) Give an example of super computer.

b) Who developed ENIAC ?

c) Which defines a set of values used to represent a quantity ?

d) A program that translates the assembly language code into machine language code is called _____

e) _____ is a transmission media consist of two insulated copper wire arranged in a rectangular spiral pattern.

f) The semantic and syntax errors in the program are checked in _____

SECTION – B

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

(5×2=10)

2. What are the disadvantages of magnetic tapes ?

3. Which are the areas where super computers can be used ?

4. What is meant by radix of a number system ?

5. What is purpose of linker ?

6. What is meant by guided media ?

7. What is repetition control structure ?

8. What are object codes ?

9. What is batch processing ?

SECTION – C

Write short notes on **any three** of the following questions :   (3×3=9)

10. What is cache memory ? Explain different levels on it.

11. How to convert an octal number into hexadecimal ? Give an example.

12. What is the importance of operating systems ?

13. What are the goals of computer networking ?

14. Explain top-down program design.

SECTION – D

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

15. Discuss optical storage devices in detail.

16. What are the different types of operating systems ?

17. Discuss different network topologies.

18. What are algorithms ? Mention its properties. Give an example.