M 7758

Reg. No. : ....

Name : ....

I Semester B.Sc. Degree (CCSS-Supple./Improv.)
Examination, November 2014
(2013 and Earlier Admn.)
COMPLEMENTARY COURSE IN COMPUTER SCIENCE
1C01 CSC : Introduction to IT and C Programming

Time : 3 Hours   Max. Weightage : 21

Instructions: *Section – A : Answer all questions. Weightage for a bunch of four questions is 1.*
Section – B : Answer any five. Weightage 1 each.
Section – C : Answer any five. Weightage 2 each.
Section – D : Answer any one. Weightage 4.

SECTION – A

Answer **all** questions. Weightage for a bunch of **four** question is **1**.

1. The BCD equivalent of 10 is _____

2. The hexa decimal number that corresponds to the binary number 10101 is
_____

3. The language that the computer can understand and execute is called
_____

4. Which of the following is used as a primary storage device ?
   a) Magnetic tape   b) PROM
   c) Floppy disk   d) None of the above

5. Main( ) is an example of
   a) Library function   b) User defined function
   c) Header   d) None of the above

6. _____ is a ternary operator in C.

7. A for loop with no test condition is known as _____ loop.

8. If a local variable has to retain its value between calls to the function, it must be
   declared as _____   (2×1=2)

SECTION – B

Answer **any 5** questions. Weightage **1 each**.

9. Convert the octal number 764.3 into hexa decimal.

10. List the commonly used secondary storage devices.

11. Define algorithm.

12. What is a compiler ?

13. With suitable example, explain continue statement.

14. What is meant by symbolic constants ?

15. Define union.

16. What is a global variable ?   (5×1=5)

SECTION – C

Answer **any 5** questions. Weightage **2 each**.

17. Explain how data is organized on a floppy disk.

18. Write a short note on Dot matrix printer.

19. Convert the following numbers to their binary and decimal equivalent :

    a) $(2ED)_{16}$ b) $(ABCD)_{16}$ c) $(745)_8$ d) $(1234)_8$

20. Write an algorithm to find the largest of N numbers.

21. What is an operator ? Explain any two types of operators used in C.

22. Explain entry controlled loops in C.

23. With suitable example, explain formal and actual parameters.

24. Define structure. Distinguish between structure and union.   (5×2=10)

SECTION – D

Answer **any one** question. Weightage **4**.

25. Write a program to find sum and difference of two matrices.

26. Write a short note on :

    a) Storage classes in C   b) If statements.   (1×4=4)

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