



M 11588

Reg. No. :

Name :

**I Semester B.A./B.Sc./B.Com./B.B.A./B.B.A.T.T.M./B.B.M./B.C.A./B.S.W. Degree
 (CCSS – Reg./Supple./Improv.) Examination, November 2011
 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** question is **one**.

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

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

1) High level language programs are converted into machine language with the help of _____

2) Hexadecimal equivalent of the binary number 11001101 is _____

3) CD-ROM is a

a) Semiconductor memory

b) Memory register

c) Magnetic memory

d) None of the above

4) AC program is a collection of _____

II. 5) An array is a collection of _____ data items.

6) The process of calling a function using pointers to pass the arguments is known as _____

7) A static variable by default gets initialized to _____

8) Which of the following is an operator in C ?

a) ,

b) \$

c) @

d) none of these

SECTION – B

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

9) List any our output devices.

1

10) What is EPROM ?

1

P.T.O.



- | | |
|--|---|
| 11) List any three language translators. | 1 |
| 12) Perform the following conversions : | 1 |
| a) C8D in hexadecimal to octal | |
| b) 7456 in octal to decimal. | |
| 13) What is a constant ? | 1 |
| 14) Give syntax of simple if statement. | 1 |
| 15) Explain recursion. | 1 |
| 16) What is a pointer ? | 1 |

SECTION – C

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

- | | |
|--|---|
| 17) Explain the different classification of computer. | 2 |
| 18) Define Flowchart. Explain various flowcharting symbols. | 2 |
| 19) Convert following numbers to its octal equivalent. | 2 |
| a) $(1100101011.1111)_2$ | |
| b) $(37.29)_{10}$ | |
| c) $(672)_{16}$ | |
| 20) Explain the structure of a C program. | 2 |
| 21) With an example, explain the syntax of switch statement. | 2 |
| 22) With suitable examples, explain the difference between “ = ” and “ == ” operators. | 2 |
| 23) What is a structure ? Explain structure definition with suitable example. | 2 |
| 24) Write program to find prime numbers within a given range. | 2 |

SECTION – D

Answer only **one** question. Weightage **4**.

- | | |
|---|---|
| 25) Write a program to sort a set of n numbers. | 4 |
| 26) Write a short note on : | 4 |
| a) Assembly language | |
| b) Cache memory | |
| c) Gray code | |
| d) Symbolic constants in C. | |