



M 6583

Reg. No. : .....

Name : .....

**First Semester B.Sc. Degree Examination, November 2009**  
**COMPUTER SCIENCE (Complementary)**  
**Course – 1 : Introduction to IT and C Programming (IC 01 CSE)**

Time : 3 Hours

Max. Weighted Grade Point : 84

SECTION – A

(Answer **all** questions. Weightage for a bunch of 4 questions is 1)  
Maximum weighted grade point  $1(W) \times 2(\text{bunch}) \times 4(\text{MaxGP}) = 8$

1. A computer that incorporates both features of Analogue and Digital are called \_\_\_\_\_
2. Out of the following which is an impact printer ?  
a) Laser                      b) Inkjet                      c) Dot matrix                      d) None of these
3. \_\_\_\_\_ translates from high level language to machine language.  
✓ a) loader                      b) assembler                      ✓ c) compiler                      d) macro
4. ✓ Out of the following which is a string constant in C ?  
a) string                      b) 'string'                      ✓ c) "string"                      d) none of these
5. The function that is used to read a character from keyboard is \_\_\_\_\_  
a) gets                      b) puts                      ✓ c) getchar                      d) readchar
6. One dimensional array is equivalent to \_\_\_\_\_  
✓ a) list                      b) matrix                      ✓ c) pointer                      d) union
7. The function that concatenates 2 strings is strcat()
8. Scale factor is a term related with \_\_\_\_\_  
✓ a) pointer                      b) structure                      c) union                      d) array

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SECTION - B

(Answer **any 5** questions. **Each** question carries a weightage 1)  
Maximum weighted grade point  $1(W) \times 5(Qn) \times 4(MaxGP) = 20$

9. What is secondary storage ?
10. What is EBCDIC ?
11. What is use of interpreter ?
- ✓ 12. What is use of getchar() in C ?
13. What is the use of break statement in C ?
- ✓ 14. Define recursion in C ✓
15. Define structure. ✓
- ✓ 16. What is pointer variables ?

SECTION - C

(Answer **any 5** questions. **Each** question carries a weightage 2)  
Maximum weighted grade point  $2(W) \times 5(Qn) \times 4(MaxGP) = 40$

17. Explain working of dot matrix printer.
18. Explain the organization of Floppy Disk. *Handwritten mark*
- ✓ 19. Draw a flow chart to find sum of even numbers below 100.
- ✓ 20. Explain syntax of for statement in C with example.
21. Explain the working of various if loop in C with example.
22. Explain use of static variables in C with example.
- ✓ 23. What is multi dimensional array in C explain with example ?
24. Explain passing of array to function with example.

SECTION - D

(Answer **any 1** question. Question carries a weightage 4)  
Maximum weighted grade point  $4(W) \times 1(Qn) \times 4(Max GP) = 16$

25. Explain various storage classes in C with detailed examples.
26. Write a program in C to
  - a) To check whether a string is palindrome or not
  - b) To find largest in an array of numbers.