

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2004-05 & thereafter)

SUBJECT CODE : CA/MC/PF14

B.C.A. DEGREE EXAMINATION – NOVEMBER 2007
FIRST SEMESTER

COURSE : MAJOR CORE
PAPER : PROGRAMMING FUNDAMENTALS – C LANGUAGE
TIME : 1½ HOURS **MAX. MARKS : 50**

SECTION - A

ANSWER ALL THE QUESTIONS : 10X1=10

Fill in the blanks:

1. C was designed and developed by _____ at _____.
2. A _____ is a defined block of statements repeatedly executed in a program.
3. _____ is a function that appends source string to destination string.
4. _____ is a memory variable that stores a memory address.
5. _____ is a file or physical device like keyboard, printer, monitor etc.

Choose the best answer:

6. The statement separator in C is
a) dot(.) b) comma(,) c) semicolon(;) d) curly braces({ })
7. The escape sequence '\b' represents
a) backward b) backspace c) backslash d) break
8. The non-conditional statement in C
a) break b) continue c) switch d) goto
9. The structure members are accessed by
a) arrow(→) b) asterisk(*) c) period(.) d) ampersand(&)
10. The EOF is equivalent to
a) 1 b) -1 c) 0 d) none of the above

SECTION - B

ANSWER ALL THE QUESTIONS : 5X2=10

11. What are keywords? List any four keywords in C.
12. Write note on ternary operator in C.
13. Define Recursion? What are the types of recursion?
14. Mention any two features of pointers in C.
15. What are the different types of files?

SECTION C

ANSWER ANY SIX OF THE FOLLOWING QUESTIONS : 6X5=30

16. Discuss the various primitive data types in C.
17. Write note on conditional statements in C. Write also the differences between them.
18. Enumerate the Unary and bitwise operators in C with examples.
19. Explain the 'for looping structure' in C.
20. What are the different methods of passing arguments to functions? Explain with an example.
21. Discuss the structure and Union data types in C with an example. Bring out the differences between them.
22. Explain the relationship between pointers and arrays with an example.
23. List and explain any six file related functions.

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