

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2011-12)

SUBJECT CODE: 11CS/MC/CP14

B.C.A. DEGREE EXAMINATION – NOVEMBER 2011
FIRST SEMESTER

ROLL NO: _____

COURSE : MAJOR CORE
PAPER : PROGRAMMING WITH 'C'
TIME : 20 MINUTES

MAX. MARKS: 20

SECTION – A

ANSWER ALL THE QUESTIONS:

20X1=20

TO BE ANSWERED ON THE QUESTION PAPER ITSELF

Choose the best answer:

- Which of the following special symbol is allowed in a variable name?
a) * b) | c) _
- When should we mention the prototypes of a function?
a) Defining b) Declaring c) Calling
- Which of the following is not a logical operator?
a) & b) && c) !
- In C language, which order do the following gets evaluated:
1. Relational 2. Arithmetic 3. Logical 4. Assignment
a) 2134 b) 3214 c) 1234
- The keyword used to transfer control from a function back to the calling function is _____
a) Switch b) goto c) return
- The operator used to get value at address stored in a pointer variable is _____
a) * b) & c) &&
- If two strings are identical, the strcmp() function returns _____
a) -1 b) 1 c) 0

8. Which of the following function is used to find the first occurrence of a given string in another string?
- a) strchr() b) strrchr() c) strstr()
9. Which header file should be included to use functions like malloc() and calloc()?
- a) memory.h b) stdlib.h c) string.h
10. What is the purpose of fflush() function?
- a) Flushes input/output buffer.
b) Flushes file buffer.
c) Flushes all streams.

FILL IN THE BLANKS:

11. A short integer variable occupies memory of _____.
12. The file name _____ is an abbreviation for standard input-output header file.
13. _____ operators are used to assign the result of an expression to a variable.
14. _____ is a built-in mathematical function.
15. The field specification for an integer value is _____.
16. The goto requires a _____ in order to identify the place where the branch is to be made.
17. Function _____ is known as function prototype.
18. A _____ function does not return back any value.
19. * is usually known as _____ operator.
20. A file type _____ refers to opening an existing file for read only.

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2011-12)

SUBJECT CODE: 11CS/MC/CP14

B.C.A. DEGREE EXAMINATION – NOVEMBER 2011
FIRST SEMESTER

COURSE : MAJOR CORE

PAPER : PROGRAMMING WITH 'C'

TIME : 2 HOURS & 40 MINUTES

MAX. MARKS: 80

SECTION – B

ANSWER ALL THE QUESTIONS:

5X2=10

1. Define the following: a) Identifiers b) Constants.
2. What is the use of Flowcharts?
3. Give the syntax for Switch – case statement.
4. How are pointer variables declared and initialized?
5. What is a data file?

SECTION - C

ANSWER ANY EIGHT QUESTIONS:

8X5=40

6. Explain the fundamental data types.
7. Explain how variables are declared with suitable examples.
8. Differentiate between the while and do while statements in C with examples.
9. How are single dimensional and two dimensional arrays declared? Explain with examples.
10. Write a C program to find the factorial of a given number.
11. Explain with an example, Call by Value and Call by Reference.
12. Explain any four string functions by giving suitable examples.
13. Explain about the scope of the variables with examples.
14. Write a C program to print the first 50 even numbers.
15. How are pointers used as function arguments? Explain.

SECTION - D

ANSWER ANY THREE QUESTIONS:

3X10=30

16. Explain arithmetic, logical and relational operators with suitable examples.
17. Explain the various input and output functions available in C language.
18. Explain the different IF structures available in C with examples.
19. Differentiate between structures and union with suitable examples.
20. Explain the various file operations.
