

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2015-16)

SUBJECT CODE: 15CS/MC/PO14

B.C.A. DEGREE EXAMINATION – NOVEMBER 2015
FIRST SEMESTER

REG. NO. _____

COURSE : MAJOR CORE

PAPER : PROCEDURE ORIENTED PROGRAMMING WITH C

TIME : 30 MINUTES

MAX. MARKS: 20

SECTION – A

ANSWER ON THE QUESTION PAPER ITSELF

Answer all the questions:

20*1=20

Choose the correct answer:

- Which of the following is correct.
 - Link, Compile, Execute
 - Compile, Link, Execute
 - Execute, Compile, Link
 - Compile, execute, Link
- ANSI C supports _____ classes of basic data types.
 - 2
 - 3
 - 4
 - 6
- Symbolic constant is declared using
 - #defined
 - #
 - #define
 - all the above
- Conversion of double to float causes
 - truncation of fractional part
 - rounding of digits
 - dropping of higher order bits
 - No effect
- What value will be assigned for z :
scanf(“%d %2d %d”, &x,&y,&z);
123 4567 890
 - 890
 - 45
 - 4567
 - None of the above.
- When a continue statement is encountered inside any C loop, the control automatically passes to the _____ of the loop.
 - End
 - Beginning
 - Middle
 - None of the above.
- %e stands for
 - exponent
 - error
 - floating point
 - None of the above.

8. How many storage classes are available in C?
a) 1 b) 2 c) 3 d) 4
9. What is the output of the following program?
Int a,b;
a=10; b= 15;
x=(a>b)?a:b;
printf(“%d”,x);
a) 10 b) 15 c) error d) None of the above
10. Size declaration of an array is
a) Optional b) Compulsory c) both d) None of the above

Fill in the blanks:

11. Strcmp() return _____, if both the strings are equal.
12. To print a string in left justified _____ is required.
13. main() is a _____ function.
14. The arguments in the function are called as _____.
15. The visibility of register variables is _____.
16. When we increment a pointer, its value is increased by the length of the _____.
17. The use of pointer array to character strings _____ storage space.
18. A pointer contain _____ until it is initialized.
19. If a file is opened for writing (w) already existing contents would be overwritten. Say True/False.
20. Releasing the used space of a variable is using _____.

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B.C.A. DEGREE EXAMINATION – NOVEMBER 2015
FIRST SEMESTER

COURSE : MAJOR CORE

PAPER : PROCEDURE ORIENTED PROGRAMMING WITH C

TIME : 2 HOURS & 30 MINUTES

MAX. MARKS: 80

SECTION-B

Answer ALL the questions:

5*2=10

1. Define Preprocessor.
2. Write the purpose of conditional operators.
3. Define static variable. Give example.
4. Write the need for User defined function.
5. Define a Pointer. What are the uses of pointers in C?

SECTION-C

Answer any EIGHT questions:

8*5=40

6. What is a Flowchart? Explain its Symbols with an example.
7. Explain the basic data types used in C with examples.
8. Give the use of format specifiers in C and explain its usage.
9. Explain I/O statements in C?
10. Differentiate arrays from structures.
11. Mention any five Library functions used in C and explain its usage.
12. Explain the scope and lifetime of variables in functions.
13. Define recursion. Explain with suitable example program.
14. Explain any five string handling functions with example.
15. Explain command line arguments with example.

SECTION-D

Answer any THREE questions:

3*10=30

16. Explain the various operators in C with example for each.
17. Explain how a control structure can be classified in C. What are the constructs available to perform loop operations?
18. Explain the difference between call by value and call by reference with example.
19. Write a program using array of structures.
20. Explain different file modes in C. Write a program to create and process a data file.
