

18U234

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Name.....

Reg. No.....

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2019

(CUCBCSS – UG)

CC15U CSC2 C02 – PROGRAMMING IN

Computer Science - Complementary Course

(2015 & 2016 Admissions Supplementary)

Time: Three Hours

Maximum: 64 Marks

PART A

Answer *all* questions. Each question carries 1 mark.

1. Which is the multi line comment symbol used in C Programming?
2. The modulo division operator supports float operands.(True/False)
3. An alternative form of representing 0.317639 is
4. Write the syntax of scanf()
5. Write the output of the following code segment
for (I = 1; I <= 15; i++)
{
if (i%3 == 0) continue;
printf(“%d”,i);
}
6. Define array.
7. The end of a string is denoted by
8. The type of a function is determined by the type of
9. Let p^1 and p^2 are two pointer variables. Select the valid statements from the following
(a) $*p^1 + *p^2$ (b) $p1/p2$ (c) $p1 * p2$ (d) $*p1/10$
(9 x 1 = 9 Marks)

PART B

Answer *all* questions. Each question carries 2 marks.

10. What is a symbolic constant?
11. Describe formatted i/o statements in C.
12. Write a program to find the largest of two numbers using conditional operator.
13. Differentiate between malloc() and calloc().
14. Write the significance of file open modes r+ and a+
(5 x 2 = 10 Marks)

PART C

Answer any *five* questions. Each question carries 5 marks.

15. Write notes on storage classes.
16. Write a program to sort a set of numbers given in an array.
17. Describe the argument passing mechanisms in C.
18. What is recursion? Write a recursive program to find the factorial of a number.
19. Explain any five file operations used in C.
20. Explain different categories of function.
21. Describe the two dimensional array representations with example.
22. Explain in detail decision making statements in C.

(5 x 5 = 25 Marks)

PART D

Answer any *two* questions. Each question carries 10 marks.

23. a) Explain the string handling functions in C.
b) Write a program that counts the occurrence of upper case characters in a string.
24. Explain the loop control structures in C.
25. Describe the different data types in detail.

(2 x 10 = 20 Marks)
