

17U239

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Name.....

Reg. No.....

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2018

(Supplementary/Improvement)

(CUCBCSS – UG)

(Complementary Course: Computer Science)

CC15U CSC2 C02 – PROGRAMMING IN C

(2015, 2016 Admissions)

Time: Three Hours

Maximum: 64 Marks

PART A

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

1. The header file contains mathematical functions.
2. What is the error, if any, in the following segment? `int x=10;float y=4.25; x=y%x;`
3. A global variable is also known as
4. is the process of arranging the elements of an array in order.
5. What is the output of the following code?

```
int n=0,m;  
for(m=1;m<=n+1;m++)  
printf(“%d”,m);
```
6. The parameters used in a function call are called
7. A pointer variable contains as its value the of another variable.
8. The name of a structure is referred as a
9. When the end of file reached in `fscanf()`, it returns the value
a) null b) EOF c) zero d) junk

(9 x 1 = 9 Marks)

PART B

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

10. Explain tri graph character.
11. Describe the limitations of using **getchar** and **scanf** functions for reading strings.
12. Explain the difference between precedence and associativity of operators.
13. Distinguish between scope and visibility of variables with examples.
14. How does a structure differs from an array?

(5 x 2 = 10 Marks)

PART C

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

15. Explain any three input output functions in C.
16. Distinguish between break, continue and exit statement.
17. Write a program to check whether a number is Armstrong or not.
18. What are the different classes of data types?
19. Write a program to sort n numbers.
20. What are the operations possible on pointers?
21. Explain Storage classes briefly.
22. Illustrate Recursion with an example.

(5 x 5 = 25 Marks)

PART D

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

23. Explain looping Statements with examples.
24. What is a file ? Explain Various operations that can be carried out on files
25. Write short notes on : symbolic constants b) goto statement c) function calls
d) Dynamic memory allocation

(2 x 10 = 20 Marks)
