16U224 (Pages: 2) Name: ……………………

Reg. No………………………

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, MAY-2017

(Regular/Supplementary/Improvement)

(CUCBCSS – UG)

CC15U CSC2 C02 – PROGRAMMING IN C

(Complementary Course: Computer Science)

(2015 Admission Onwards)

Time: Three Hours   Maximum: 64 Marks

PART A

Answer all questions. Each question carries one mark

1. C programs are converted into machine language with the help of -------------

2. ……………… is a reserved word in C

3. Example of a dynamic memory management function.

4. Which is the header file for string handling functions

5. Which operator is used to find the size of a data type?

6. Write the format of scanf().

7. What is the Syntax of a declaration of a structure?

8. pow() is used for ------------------------

9. What value will z contain after the following sample code statements are executed?

   int z, x=7,y= -2;
   z= ++x-y++;

(9 x 1 = 9 marks)

PART B

Answer all questions. Each question carries 2 marks

10. Define C tokens. List the categories of C tokens.

11. What is a Pointer? Explain its Advantages.

12. Name storage classes in c.

13. List the string handling functions available in C?

14. Differentiate between malloc() and calloc().

(5 x 2 = 10 marks)

1

PART C

Answer any 5 questions. Each questions carries 5 marks.

15. Write a C program to find a largest of three numbers

16. What is a data type? Describe various data types available in C

17. Explain function definition in detail

18. What are the two argument Passing Mechanism?

19. Short note on Arrays

20. Write a program to check whether an input number is even or odd

21. Compare and contrast structure and Union

22. What is Recursion? Give an example

(5 x 5 = 25 marks)

PART D

Answer any two questions. Each question carries 10 marks

29. Write a C program to accept n numbers and find the smallest.

30. What is a File? Describe file handling functions with examples.

31. Explain different types of operators in detail and write the C Operator precedence

(2 x 10 = 20 marks)

****

2