St.Joseph's College of arts & science (autonomous)

Cuddalore**.1**

SUB: PROGRAMMING IN C **PAPER CODE: CS101S**

Unit-1

(5-marks)

1. List out various integer data types with their sizes in bytes. (Nov 2001)
2. What are tri-graph characters how are they useful? (APRIL 2012)
3. Write a program to find the divisors of a given integer. (Nov 2011)
4. Discuss about the precedence of arithmetic operators? (APRIL 2012)
5. Briefly explain about the various data types available in C. (Nov 2012)
6. Write a C program to generate the prime number. (Nov 2012)
7. List out various logical operators available in C. (APRIL 2013)
8. Write a program to check whether a given number is prime or not. (April 2013)
9. Define constant . Explain the different types of constants. (APRIL 2014)
10. Classify the types of characters in C character set. (APRIL 2014)
11. Briefly explain about the various library functions in C. (NOV 2014)
12. Explain various operator in C. (APRIL 2015)

10-MARKS

1. List out different operators available in C. (NOV 2011)
2. Explain in detail about various data types supported by C. (APRIL 2012)
3. List out different data types in C. (APRIL 2013)
4. Describe the basic structure of C program. (APRIL 2014)
5. Write a detailed note on the various data types available C with suitable examples. (NOV 2012, NOV 2014)
6. Define constant and describe data types supported in C. (APRIL 2015)

UNIT-2

5-MARKS

1. Explain the difference between while loop and do while loop. (NOV 2011,APRIL 2015)
2. Compare while and do while statements. (APRIL 2012)
3. Explain the difference between ‘break’ and ‘continue’. (APRIL 2013)
4. Write the syntax of while statement with example.(APRIL 2014)
5. Given the syntax for do while statement in C language. Briefly explain about it .(NOV 2014,NOV 2012)

10-MARKS

1. Write a program to print ‘a’ to ‘z’ using for loop and to print 100 down to 1 using while loop. (NOV 2011)
2. Explain different forms of if else statement with suitable example. (APRIL 2012,APRIL 2014)
3. Illustrate the use of FOR statement using a suitable program. (APRIL 2012)
4. Explain about various forms of if and if else statement. (APRIL 2012)
5. Explain in detail about various looping statement in C with its syntax and examples. (NOV 2012)
6. Discuss different loop statement in C. (APRIL 2013)
7. Explain the control structure with suitable examples. (NOV 2014)
8. Explain the different looping structure with suitable example. (APRIL 2015)
9. Write a c program to display the name of the day by pressing the number using switch statement. (APRIL 2015)

UNIT-3

5-MARKS

1. Write a function to exchange the values of two integer variable using call by reference. (NOV 2011)
2. How functions are categorized. (APRIL 2012)
3. Define recursion explain with an example. (APRIL 2012)
4. Briefly explain about the prototypes in C. (NOV 2012)
5. Write a short note on various storage classes in C language. (NOV 2012, NOV 2014)
6. Write a recursive functions to find factorial of an integer n. (APRIL 2013)
7. Explain command line arguments. (APRIL 2013)
8. List the element of user-defined function. (APRIL 2014)
9. What do you mean by recursion? Explain about it with a suitable example. (NOV 2014)
10. Write a note on call by value and call by reference with an example. (APRIL 2015)
11. Explain Dynamic Memory Allocation functions. (APRIL 2015)

10- MARKS

1. Write a recursive function to calculate a^ n where ‘a’ and ‘n’ are integer. Also write a main function to call it. (NOV 2011)
2. Discuss different storage classes available in C. (NOV 2011)
3. Describe the characteristics of modular programming. (APRIL 2012)
4. Write a C program to find the factorial of a given integer number using recursion. (NOV 2012)
5. Explain different storage classes in C. (APRIL 2013)
6. Explain, in detail, the categories of functions. (APRIL 2014)
7. What are the parts of function definition? Explain. (APRIL 2014)
8. Discuss in detail about the user-defined functions and function prototypes in C. (NOV 2014)
9. Elucidate various categories of functions. (APRIL 2015)

UNIT-4

5-MARKS

1. Explain the difference between structure and union. (NOV 2011)
2. List the three ways access to member of a function. (APRIL 2012)
3. Write a short note on structures in C language. (NOV 2012)
4. Explain union with an example. (APRIL 2013)
5. Compare arrays with structures. (APRIL 2014)
6. Write a short on unions in C language. (NOV 2014)
7. Define array. Explain different types of array with examples. (APRIL 2015)

10-marks

1. Write a program to read two matrices of order M*N and to add them. (NOV 2011)
2. Mention the various string handling during function and explain with examples. (APRIL 2012)
3. Explain the detail about the string manipulations in C language. (NOV 2012, NOV 2014)
4. Write a program to create and displays a structure with fields ‘employee number’ and ‘salary’. (APRIL 2013)
5. Give a detailed description on string handling functions. (APRIL 2014)
6. Discuss the various string manipulation functions in C with their usage. (APRIL 2015)

UNIT-5

5-MARKS

1. List out different modes to open the file. (NOV 2011)
2. What a pointer in C? Explain about it with examples. (NOV 2012)
3. Explain "passing pointer to function "with an example. (APRIL 2013)
4. Discuss the issues in using pointers. (APRIL 2014)
5. What are pointers in C? Explain about it with examples. (NOV 2014)
6. What a pointer? Write note on pointer arithmetic with an example. (APRIL 2015)

10-MARKS

1. Explain array of pointers with an examples. (NOV 2011)
2. Give an account on error handling during I/O operations. (APRIL 2012)
3. Write a detailed note on the rules of pointer operations. (APRIL 2012)
4. Explain in detail about the various operations on pointers with examples. (NOV 2012)
5. Write a program to multiply two integer using pointer. (APRIL 2013)
6. State and explain the basic file operations. (APRIL 2014)
7. What are files? Explain in detailed about it. (NOV 2014)
8. Explicate different basic file operations. (APRIL 2015)