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**End Semester Examination – Nov/Dec– 2018**

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| **Code :** | **11CS101/ 12CS101** | **Duration :** | **3hrs** |
| **Sub. Name :** | **PROGRAMMING IN C** | **Max. marks :** | **100** |

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| **Q. No.** | **Questions** | **Marks** |
| **PART-A(10X1=10 MARKS)** | | |
| 1. | List all the predefined data types in C. | 1 |
| 2. | State the role of Compiler in C Program. | 1 |
| 3. | Give an example to check the equality and non-equality between two variables using the relational operator. | 1 |
| 4. | How does the GOTO statement play an important role in the flow of C program execution? | 1 |
| 5. | Depict the use of Function in C program. | 1 |
| 6. | Define the purpose of pointer notation. | 1 |
| 7. | Differentiate a variable and an array. | 1 |
| 8. | State the possibility of structure variable inside another structure in C program. | 1 |
| 9. | Can a function contain more than one return statement? Give explanation for your answer. | 1 |
| 10. | Define Union. | 1 |

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| **PART B(5 X 3= 15 MARKS)** | | |
| 11. | Mention the use of right shift and left shift operators with example. | 3 |
| 12. | Illustrate with example for break and continue statement in C. | 3 |
| 13. | Exemplify about the recursive function with example. | 3 |
| 14. | With a suitable example explain about pointer to 1 Dimensional Array. | 3 |
| 15. | Demonstrate the use of fclose(),args, and argv in C with examples. | 3 |

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| **PART C(5 X 15= 75 MARKS)** | | | |
| 16. |  | Demonstrate the relational operator and logicaloperators in C with example for each. | 15 |
| (OR) | | | |
| 17. | a. | Write a C program to generate all possible prime numbers between one to hundred. | 8 |
| b. | Explain the two types of type Conversion in C. | 7 |
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| 18. |  | Demonstrate the Entry controlled Loop and Exit controlled Loop in C with suitable example for each. | 15 |
| (OR) | | | |
| 19. | a. | Write a C program to generate the Fibonacci series up to N terms (0,1,1,2,3, 5,..N) | 5 |
| b. | Exemplify the nested if else, if else statement and loop control structure with example. | 10 |
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| 20. | a. | Explain the Storage Classes and Scope rule of Functions in C | 10 |
| b. | Differentiate Automatic and Static variables? | 5 |
| (OR) | | | |
| 21. | a. | Explain the general syntax and working of switch statement in C with an example | 8 |
| b. | What is a function definition? Give the four categories of functions. | 7 |
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| 22. | a. | Explain the various string handling functions with example. | 10 |
| b. | Depict the command line arguments in C | 5 |
| (OR) | | | |
| 23. | a. | Create a C program to generate student information using structures. | 10 |
| b. | Explain the Enumerated data types in C. | 5 |
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| 24. |  | List all the basic file operators and explain the various input/output operations on file. | 15 |
| (OR) | | | |
| 25. | a. | Write a program to copy content of one file to another file. | 10 |
| b. | Write a program to find whether the given string is palindrome or not. | 5 |