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Total No. of Pages: 01
Total No. of Questions: 07

B.Sc(IT) (Sem.-1st)
PROGRAMMING IN C
Subject Code: BS-105
Paper ID: B0403

Time: 3 Hrs.**Max. Marks: 60****INSTRUCTIONS TO CANDIDATES:-**

- a) **Section- A is Compulsory.**
- b) **Attempt any four questions from Section-B**

SECTION-A**(2x10=20)****Q1. Discuss the Following:**

- a) How will you declare and initialize a variable.
- b) What is the use of typedef in c.
- c) The c language consists of Number of keywords.
- d) What is an expression? How is an expression differing from variables.
- e) What are the rules to declare one dimensional array.
- f) What is command line argument.
- g) Write a small code for do-while loop.
- h) What is Syntax and Logical Error.
- i) What is recursive function.
- j) Give the syntax for opening File and closing a file.

SECTION- B**(4x10=40)**

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| Q2. | (a) | Explain in brief structure of C programming. | 6 |
| | (b) | What do you mean by Compiler and interpreter. | 4 |
| Q3. | (a) | Explain switch statement with its syntax and example. | 5 |
| | (b) | Write a program to display the first n terms of the Fibonacci series. | 5 |
| Q4. | (a) | What are functions. Explain call by value and call by reference with examples. | 7 |
| | (b) | Can an array be used as an argument of a function? If yes, explain with examples. | 3 |
| Q5. | | Define String. Explain string functions with suitable example. | 10 |
| Q6. | | Write a C Program to sort an array in ascending order. | 10 |
| Q7. | (a) | How is a pointer variable declared. What is the purpose of the data type includes in the declaration. | 5 |
| | (b) | Write a short note on File Handling. List any File mode in C. | 5 |

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