

B.Sc.(IT) Semester - 1 (CBCS) Examination
Oct/Nov-2024 (As Per Syllabus Year June-2018)
PROGRAMMING IN C(CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que. 1(A) Attempt the following. (03)
1. What is Keyword?
 2. A constant can change its value whenever required: True/False
 3. A pre-processor is preceded by _____ Sign.
- Que. 1(B) Attempt the following. (any two) (06)
1. Explain the features of C Language.
 2. List and briefly explain various C Tokens.
 3. Differentiate between Traditional C and Modern C.
 4. Explain with example: Relational Operators.
- Que. 1(C) Attempt the following. (any one) (05)
1. What is Flow Chart? Explain its uses giving example.
 2. Explain Type Casting and Type Conversion.
- Que. 2(A) Attempt the following. (03)
1. Every case in switch case structure must contain _____ Keyword.
 2. What is Decision Structure?
 3. _____ is an Exit-controlled Loop.
- Que. 2(B) Attempt the following. (any two) (06)
1. Explain If Else If Ladder.
 2. Explain giving example: Nesting of Decision Structure.
 3. Explain the use of Break and Continue with example.
 4. Explain with example: Goto
- Que. 2(C) Attempt the following. (any one) (05)
1. List and explain various Looping Structure.
 2. Write a C Program which shows the use of Switch Case Structure.
- Que. 3(A) Attempt the following. (03)
1. Give full form: UDF
 2. Name the Standard Input and Output File.
 3. _____ function is used to copy one string to another.
- Que. 3(B) Attempt the following. (any two) (06)
1. Explain any Date and Time Function with example.
 2. Show the use of String Concatenation Function with example.
 3. What is Recursion? Write its usefulness.
 4. List various memory Allocation Functions. Explain any one.
- Que. 3(C) Attempt the following. (any one) (05)
1. What are Header Files? Explain any one header file and list out important functions of it.
 2. Explain the concept and types of UDF.

- Que. 4(A) Attempt the following. (03)
1. Minimum and maximum temperatures of 4 cities can be recorded using _____ Dimensional Array.
 2. Write the basic use of Structure.
 3. Structure and Union are similar: True/False
- Que. 4(B) Attempt the following. (any two) (06)
1. What is Nesting of Structures? How it is done?
 2. Explain the concept of Array with example
 3. What is String Array? Give example.
 4. Differentiate Structure and Union.
- Que. 4(C) Attempt the following. (any one) (05)
1. Explain giving example the concept of Array of Structure.
 2. Write a C Program to show the use of array with UDF.
- Que. 5 (A) Attempt the following. (03)
1. What is Pointer?
 2. _____ function is used in Dynamic Programming.
 3. A pointer is A Variable or A Constant: True/False
- Que. 5 (B) Attempt the following. (any two) (06)
1. Explain the concept of Data Files.
 2. Explain Giving Syntax and example, reading and writing to and from a Data File.
 3. Explain the concept of Array of Pointers.
 4. Explain Pointer to Pointer.
- Que. 5 (C) Attempt the following. (any one) (05)
1. Write a C Program that shows the use of Command Line Arguments.
 2. What is Dynamic Programming? Explain how pointers can be used in Dynamic Programming.
