

Roll No. 

|  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|

Total No. of Pages: 02

Total No. of Questions: 07

**BCA (2011 & onwards) / B.Sc.(IT) (2015 & onwards) (Sem. – 1)**

**PROGRAMMING IN 'C'**

**M Code: 10044**

**Subject Code: BSIT/BSBC-102**

**Paper ID: [B1109]**

**Time: 3 Hrs.**

**Max. Marks: 60**

**INSTRUCTIONS TO CANDIDATES:**

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **SIX** questions carrying **TEN** marks each and students has to attempt any **FOUR** questions.
3. **Use of non-programmable Scientific Calculator is allowed.**

**SECTION A**

1.
  - a) Explain Flow Charts with its components.
  - b) What is Compilation & Execution of Program?
  - c) Explain the Functions Categories in detail.
  - d) Differentiate if Else & Nested if Statement.
  - e) What is Recursion? Explain it.
  - f) Explain Switch Statement.
  - g) Write Procedure to Creating a Data File.
  - h) What do you mean by Function Prototyping? Explain it.
  - i) Explain Standard Functions in Detail.
  - j) Write Process to Access Structure Members using suitable example.

## **SECTION B**

- |                                                                            |    |
|----------------------------------------------------------------------------|----|
| 2. Explain Standard & Formatted Statements in Detail.                      | 10 |
| 3. Explain Call by Value & Call by Reference using Suitable Example.       | 10 |
| 4. Write the procedure of Opening, Closing & Processing a data File.       | 10 |
| 5. What are Pointers? How Array will be passed to function using Pointers. | 10 |
| 6. Explain Jumping Statements discuss each in detail?                      | 10 |
| 7. a) Discuss String Handling Function.                                    | 5  |
| b) Explain Nested Structures.                                              | 5  |