

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

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| 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 |

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