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BCA (2011 & onwards) (Sem.-1)
PROGRAMMING IN 'C'
Subject Code: BSBC-102
Paper ID: [B-1109]

Time: 3 Hrs. Max. Marks: 60

INSTRUCTION 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 a student has to attempt any FOUR questions.

SECTION-A

1. Answer in 2-5 lines:

- a. Difference between keyword and identifier.
- b. What is C? Why we use C?
- c. Difference between local and global variable?
- d. Difference between Break and Continue?
- e. Difference between while and do-while loop?
- f. Define C tokens.
- g. What are Constants and what are its types?
- h. What is a Pointer?
- i. What are the Conditional Operators? Give example.
- j. What are the formal and actual parameters in functions?

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SECTION-B

- 2. Difference between Call by Value and Call by Reference with example.
- 3. Explain creating a data file also opening and closing a data file with example.
- 4. How do you declare a one dimensional array? How do you pass an array as an argument to a function using a Call by Reference method?
- 5. What do you mean by Flow chart? Give the different symbols used in a flow chart and their use. How does it differ from an algorithm?
- 6. What are structures and unions? How a structure is created and referenced? Illustrate.
- 7. Why 'C' language is named so? Discuss its origin and provide the general structure of 'C' language program detailing out every construct in it.

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