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Register Number:

Date: 01-04-2019

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| **ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE-27** | | | | | | |
| **OPEN ELECTIVE - IV SEMESTER** | | | | | | |
| **SEMESTER EXAMINATION: APRIL 2019** | | | | | | |
| **CSOE 1116- Basic Programming Skills** | | | | | | |
|  |  |  |  |  |  |
| **Time- 1 1/2 hrs** | |  | **Max Marks-35** | | |
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**SECTION A**

**Answer all questions (5X3=15)**

1. What are the different symbols used in a flow chart?
2. What is a programming language ?What are the functions of a compiler.
3. What is data type? What are the different data types in C?
4. What are variables and constants? How are variables and constants declared in C?
5. What is a function ?What are actual and formal parameter?

**SECTION B**

**Answer any fOUR questions (4X5=20)**

1. What is an algorithm and flow chart? Write the algorithm and draw the flow chart to check whether a number is odd or even.
2. Explain in detail about decision control statements or two way selection statement in C with syntax.
3. Explain detail about looping statements.
4. Write a program to find the area and circumference of a circle.
5. Write a program to calculate the sum and average of first N numbers.
6. Explain how to create and use an array in C programming with a suitableprogram example.

**CSOE1116\_A\_19**