**St. Joseph’s College (Autonomous), Bangalore**

**Register No:**

**Date:**

**IV Semester Examination, April 2017**

**B C A**

**CA OE 4515 : Basic Programming Skills**

**Time 1.5 Hrs Max Marks 35**

**This paper contains 1 printed pages and 2 parts**

**PART-A**

**Answer all questions 3 x5 = 15**

1. What are algorithms? What are their characteristics?
2. Define a) Variables b) Constants c) Identifiers
3. Explain if-else statement with an example.
4. What are arrays? Explain declaration and initialization with an example.
5. What are functions? What are the different types of algorithms?

**PART-B**

**Answer any FOUR questions 5 x4 = 20**

1. Write an algorithm to find the sum of the digits of a number.
2. What are the symbols used in developing a flowchart? Draw a flowchart to find the largest of three numbers.
3. What are the different types of constants used in C programming? Explain with examples.
4. Explain the usage of printf() and scanf() with suitable examples.
5. Explain looping statement with a suitable programming example.
6. Explain any one type of function with an example.