

# Dr. Babasaheb Ambedkar Open University

Term End Examination July-2016

Course	: BCA	Numerical Code: (Not Require)
Subject Code	: BCA – 302	Numerical Code: (Not Require)
Subject	: PROGRAMMING PRINCIPLE AND ALGORITHM	
Total Marks	: 70	
Date	: (Not Require)	Time : (Not Require)

## Section A (30)

Attempt any Three of the following:

1. Write a program that works out the largest and smallest values from a set of 10 Inputted numbers?
2. Explain Pre-processor directives with examples?
3. What are the features of conditional operator statement?
4. Explain in detail about four steps involved in solving processes?
5. Write short note on Pascal Triangle?

## Section B (20)

Write short notes on any four.

1. Write the characteristics of Bitwise Operators?
2. What is string manipulation function?
3. Write short notes on functions with no arguments type statement?
4. Explain Permutation of an Integer?
5. What is the concept behind trial and error method?
6. Write note on Addition and Multiplication of integers?

## Section C

(A) Multiple Choice Questions. (Give four options for each MCQ) (10)

- 1 Which among the following is a step-by-step procedure for calculations?  
a. Program c. Algorithm  
b. Greedy Method d. Problem
- 2 The value which shows keyword BRIDGE is:  
a. variables c. colon  
b. constants d. numbers
- 3 In an identifier, the first digit is:  
a. underscore c. lowercase  
b. uppercase d. all
- 4 Which whitespace character symbol is shown by \f?  
a. blank space c. form feed  
b. new line d. single quote
- 5 Which is correct C pre-processors?  
a. #ifdef c. #endif  
b. #define d. all of above
- 6 \_\_\_\_\_ Keyword is used to declare the header file.  
a. include c. string  
b. exclude d. namespace
- 7 Which among the following is the correct way of solving an expression?  
a. / + \* - c. + - / \*

