

**BCA-06**  
June - Examination 2016  
**BCA Pt. I Examination**  
**Programming in C**  
**Paper - BCA-06**

**Time : 3 Hours ]**

**[ Max. Marks :- 100**

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**Note:** The question paper is divided into three sections A, B and C. Write answers as per given instructions.

**Section - A**

**10 × 2 = 20**

(Very Short Answer Questions)

**Note:** Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.

- 1) (i) What is Header file in 'C'?
- (ii) What is in-line function?
- (iii) Give syntax of for Loop.
- (iv) Give syntax of structure in 'C'.
- (v) Give use of pointer.
- (vi) Give syntax of switch statement.
- (vii) Write application area of 'C' language.
- (viii) What is algorithm?

- (ix) Write name of various files in 'C'.
- (x) What is library functions?

**Section - B****4 × 10 = 40**

(Short Answer Questions)

**Note:** Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 10 marks.

- 2) Write 'C' program for multiplication of matrices. You may assume the order of matrices.
- 3) Explain array and structure with suitable example.
- 4) Explain storage classes of 'C' language.
- 5) Describe - static, external register variable in 'C' language.
- 6) Write 'C' program to delete all vowels from sentence.
- 7) Describe Calloc ( ) and Malloc ( ) functions used in 'C' language.
- 8) Write comparison of structure and union.
- 9) How Array can be created using pointer? Describe.

**Section - C****2 × 20 = 40**

(Long Answer Questions)

**Note:** Answer **any two** questions. Each answer should not exceed 500 words. Each question carries 20 marks.

- 10) Write 'C' program that copies contents of Text File to Another File.
- 11) What is array with structure? Explain with suitable example.
- 12) Write note on followings:
  - (i) Operator's Precedence
  - (ii) Formatted Inputs and Outputs
  - (iii) Data Type in 'C'
- 13) Write block of 'C' programs to open and close a file in different modes.

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