

13001

M.C.A DEGREE EXAMINATION DECEMBER 2015  
I SEMESTER

PAPER I: PROGRAMMING METHODOLOGY AND C

Time : 3 hours

(No additional sheet will be supplied)

Max Marks : 75

**PART \_ A (5x3=15 marks)**

Answer any FIVE questions.

Each question carries THREE (3) marks.

Each answer should not exceed ONE (1) page.

1. Write and explain the debugging process of c program.
2. Write a c program to illustrate getchar() function.
3. Write and explain how to access functions.
4. Write a c program to illustrate the comma statement.
5. Define pointers. Explain the operations on pointers.
6. Write a c program to reverse the string with using string handling functions.
7. Differences between arrays and structures.
8. Write and explain processing of data file.

**PART – B (4x15=60 marks)**

Answer ALL questions.

Each question carries FIFTEEN (15) marks.

Each answer should not exceed SIX (6) pages.

9. Write a c program to illustrate conditional and logical operators.  
(OR)
10. What is the disadvantage with scanf() function. How gets() function overcome it explain with example program.
10. Write a c program to find the given number is Armstrong or not.  
(OR)
11. Write a c program to find the factorial of the given positive integer.
13. Write a c program to find the given matrix is symmetric or not.  
(OR)
14. Explain how to pass arrays to the functions. Give an example.
15. Write a c program to read data from the file.  
(OR)
16. Write a c program to illustrate passing structures to functions.

