2017

MCA

1st Semester Examination

PROGRAMMING LAB.

PAPER—MCA-106

(Practical)

Full Marks : 100

Time : 3 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer any *two* questions. 2×35

(Lottery basis)

1. Write a program in C to sort a set of numbers using bubble sort.

2. Write a program in C to search a number from a sorted array using binary search technique.

3. Write a program in C to solve a quadratic equation taken as an input.

4. Write a program in C to convert a given decimal number to its binary equivalent.

5. Write a program in C to sort a given set of numbers using selection sort.

6. Write a program in C to sort a given set of numbers using insertion sort.

7. Write a program in C to find the factorial of a given number using recursion.

8. Write a program in C to check whether a given number is prime or not using recursion.

9. Write a program in C to reverse a string without using any built-in string function.

10. Write a program in C to concatenate two given string without using any built-in string function.

11. Write a program in C to swap two given numbers using a function.

12. Write a program in C to read some student records using a structure array and then display the records.

13. Write a program in C to get the substring of a string using a function.

14. Write a program in C to copy the content of one file to another file.

15. Write a program in C to calculate GCD of two given numbers using recursion.

[Practical Note Book : 10 Marks]

[Viva-Voce : 20 Marks]
