

Q.2 Answer any **THREE** of the following: (12)

- a) Write an algorithm to find maximum number between three numbers.
- b) Explain binary search algorithm with example.
- c) Write a pseudo code to check given number is Armstrong or not.
- d) Explain features and advantages of algorithm.

Q.3 Answer any **FOUR** of the following: (12)

- a) Explain selection sort with suitable example.
- b) Write Pseudo code for accept name and count no of characters in it.
- c) Draw a flowchart for finding sum of 10 given numbers.
- d) Write an algorithm to find Fibonacci series.
- e) Draw and explain different symbols of flowchart.

Q.4 Answer any **TWO** of the following: (12)

- a) Describe Quick sort with suitable example.
- b) What is Pseudo Code? Explain features of Pseudo code with an example.
- c) Draw flowchart and write an algorithm to calculate net salary of employee.

Q.5 Answer any **TWO** of the following: (12)

- a) Write Pseudo Code for finding GCD of two numbers.
- b) Draw flowchart to check whether given number is palindrome or not.
- c) Write an algorithm for finding average of 'n' number using an array.

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