

Note: All Questions are compulsory and carry equal marks.

Q.1 Solve any Three.

15 M

- A. Write a Pseudocode conventions.
- B. Write an algorithm for finding sum of first n numbers.
- C. Differentiate between procedural approach and object oriented approach.
- D. What is comment? Give the example.
- E. What is the difference between variable and constant?
- F. Explain features of C.

Q.2. Solve any Three.

15 M

- A. What is type casting?
- B. What is explicit type conversion? Explain with example.
- C. what are two modes of stream?
- D. Differentiate between : scanf() and gets().

E. Write a C program for following output.

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F. Write a note on operators in C.

Q.3. Solve any Three.

15 M

- A. What is an array? Explain with proper syntax and example.
- B. Write a note on multidimensional array.
- C. Write a program to accept rows and columns of matrix from user and perform multiplication of three matrices.
- D. List and explain different string function.
- E. Write a program to check whether entered number is palindrome or not.
- F. Differentiate between structure and union.

Q.4. Solve any Three.

15 M

- A. What is an algorithm?
- B. What are steps in the program development cycle?
- C. what are compound assignment operator? How they are used?
- D. .Explain different formatting input function.
- E. Write a C program to reverse a string.
- F. Write a C program to add two numbers and to find their average.

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