

- A) Compile time Error
- C) 10 3

- B) 10 3 3
- D) None of these

9. Array is used for _____ data type of element.

- A) Homogeneous
- C) (A) and (B) both
- B) Similar
- D) None of this

10. What is the index number of the last element of an array with 29 elements?

- A) 29
- C) 0
- B) 28
- D) Programmer-defined

Q.2 Answer the following. (Attempt any FIVE). [15]

1. What is Flowchart? Draw a flowchart for swapping of two numbers.
2. What are the differences between while loop and do while loop?
3. Define Program, Variable, Keyword
4. What is constant? What are the different types of constant? Explain any one in brief.
5. What is storage class? What are the different storage classes in C? Explain any one with suitable example.
6. Difference between compiler and interpreter.

Q.3 Attempt any THREE. [15]

1. What is data type explain any four data types used in C language. [5]
2. Write a C Program to print half pyramid as using * as shown in figure below with output. [5]

```
*
* *
* * *
* * * *
* * * * *
```

3. Write down C Program to Check whether a number is palindrome or not. [5]
4. Explain decision making control statements in C language with Example. [5]

Q.4 Answer the following. [15]

- (a) Explain structure of C with example. [5]
- (b1) Explain one dimensional array with an example. Write pros and cons of array. [5]
- (b2) List out operator supported by C programming. Explain any three in detail. [5]

OR

- (b1) Define array as array. What is the condition of to do a two matrix addition and also write an algorithm for addition of two matrix. [5]
- (b2) Explain switch statement with proper example. [5]