

Unit 3: Multiple Choice Questions (10 marks)

**Instructions:** Each of the following questions has only one correct answer. From the alternatives given, give best one and write the answer on the answer sheet.

1. Can we declare a member function private?

A. Yes

B. No

2. A C++ class definition contains ..

A. Member Functions

B. Data Member

C. Both A and B

D. A non-static member function

3. Given the following code, what is the value of the variable x?

```
int foo[] = {5, 2, 8, 7, 11, 45}
```

```
int x = foo[0]
```

A. 5

B. 7

C. 2

D. Undefined

4. What is the difference between protected and private access specifiers in inheritance?

A. Private member is not inheritable and protected is inheritable in derived class

B. Protected member is inheritable and private is not inheritable in derived class

C. Both are inheritable but private is not inheritable in the derived class

D. Both are inheritable but protected is not inheritable in the derived class

Which of the following correctly declares a one-dimensional array?

A. float prices[1, 2];

B. float prices = {1, 2, 3};

C. float prices[3];

D. float[5] = {1, 2, 3};

5. Inheritance relationship is?

A. Association

B. Is-A

C. Has-A

D. None of the above

6. A one-dimensional array most resembles what type of data structure?

A. A matrix with rows and columns

B. A cube

C. A single row of data

D. A pointer

7. A derived class with only one base class is called ..... inheritance.

A. single

B. uniliteral

C. multiple

D. hierarchical