ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

WORKSHEET – 49 (Answer key)

Topic: Basic concepts of OOPs

Subject: COMPUTER SCIENCE   **Class - 12**   **F.M:15**

Chapter: Introduction to Object Oriented Programming(OOPs)   **Date: 1/02/2021**

Choose the correct answer for each question: [5 X 1 = 15]

1. Which of the following is not an access specifier?
a) public
b) protected
c) private
d) **all of these**

2. Which of the following best defines a class?
a) Parent of an object
b) Instance of an object
c) **Blueprint of an object**
d) Scope of an object

3. Who invented OOP?
a) **Alan Kay**
b) Andrea Ferro
c) Dennis Ritchie
d) Adele Goldberg

4. What is the additional feature in classes that was not in structures?
a) Data members
b) **Member functions**
c) Static data allowed
d) Public access specifier

5. Which is not feature of OOP in general definitions?
a) Code reusability
b) Modularity
c) **Duplicate/Redundant data**
d) Efficient Code

6. Pure OOP can be implemented without using class in a program. (True or False)
a) True
b) **False**

7. Which Feature of OOP illustrated the code reusability?
a) Polymorphism
b) Abstraction
c) Encapsulation
d) **Inheritance**

8. Constructor involves :
a) memory allocation
b) initialization of objects
c) de-allocation of memory for objects
d) **both (a) and (b)**

9. How many classes can be defined in a single program?
a) Only 1
b) Only 100
c) Only 999
d) **As many as you want**

10. When OOP concept did first came into picture?
a) **1970's**
b) 1980's
c) 1993
d) 1995

11. Which of the following statement about constructor is true?
a) It involves cleanup and de-allocation of memory for objects
b) **It does not have return types**
c) It can be declared static, const or volatile
d) It supports pointers

12. Which concept of OOP is false for C++?
a) Code can be written without using classes
b) **Code must contain at least one class**
c) A class must have member functions
d) At least one object should be declared in code

13. Which header file is required in C++ to use OOP?
a) iostream.h
b) stdio.h
c) stdlib.h
d) **OOP can be used without using any header file**

14. Which of the two features match each other?
a) Inheritance and Encapsulation
b) Encapsulation and Polymorphism
c) **Encapsulation and Abstraction**
d) Abstraction and Polymorphism

15. Which feature allows open recursion, among the following?
a) **Use of this pointer**
b) Use of pointers
c) Use of pass by value
d) Use of parameterized constructor

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