



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



WORKSHEET – 49

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

Phalguni Pramanik