

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086
(For candidates admitted during the academic year 2019-2020 & thereafter)

SUBJECT CODE : 19CS/PC/OO24
M. Sc. DEGREE EXAMINATION, APRIL 2022
INFORMATION TECHNOLOGY
SECOND SEMESTER

COURSE : CORE
PAPER : OBJECT ORIENTED PROGRAMMING
TIME : 1½ HOURS **MAX. MARKS: 50**

SECTION-A

Answer all the questions: 5 X 2 = 10

1. Compare Procedural and OO Programming.
2. What type of OOP concept is present in the statement “Alto is a Car”? Explain.
3. What is Polymorphism?
4. What are the advantages of Documentation in any Programming language?
5. Write a short note on framework.

SECTION-B

Answer any FOUR of the following: 4 X 5 = 20

6. What are getters and setters? Explain with an example.
7. What is an abstract thinking? How is it different from concrete thinking?
8. Explain a) Designing Error handling into a class b) Error handling in Java.
9. Explain how Encapsulation is carried out in OOP.
10. What are the different ways by which reusability can be brought into a program? Explain.
11. Compare method overloading and method overriding.

SECTION C

2 X 10 = 20

Answer any TWO of the following

12. Explain Composition in detail with a sample UML diagram. Compare Composition with Inheritance.
13. Explain the different access specifiers in detail.
14. Explain Interfaces and the advantages of using them in detail.
