

Model Paper– 1
Hi-Tech Institute of Engineering & Technology
B.C.A. Examination
(Semester-3rd) Odd Semester
Object Oriented Programming with C++
(BCA-301)

Time: 3 Hours

Maximum Marks: 75

Faculty Name: Ms. Reesha Chaudhary

Note: Attempt questions from all sections as per instructions.

Section – A

Note: Attempt all questions.

5 x 3 = 15

1. Define the terms Object and Classes?
2. What is data hiding?
3. What are the default arguments?
4. Differentiate between << & >> operators. (extraction and insertion operators).
5. What do you understand by Operator overloading?

Section – B

Note: Attempt any two questions.

2 x 7.5 = 15

6. What are 'Inline functions'? How are they useful?
7. Differentiate between Object Oriented Programming and Structured Programming.
8. How do you define member function outside the class.

Section – C

Note: Attempt any three questions.

3 x 15 = 45

9. What do you mean by Polymorphism ? Explain with the help of example how polymorphism is achieved at i) compile time ii) run time
10. What do you mean by 'Exception handling'? How exception handling is done in C++? Illustrate with example.
11. Define Inheritance. What are the various types of inheritance ? Explain
12. What is constructor? Explain various types of constructor with examples
13. What is destructor? Explain with the help of Example.