



# Nishant eAcademy

## CBSE Sample Paper Class 12 Computer Application 2021-22

Subject: Computer Application Class: 12 Maximum Marks: 70 Duration: 3 hours

### Section A: Multiple Choice Questions (20 marks)

1. Which of the following is an example of a high-level programming language? a) Assembly language b) Machine code c) Python
2. What is the purpose of a database management system (DBMS)? a) Create presentations b) Manage data efficiently c) Edit images
3. Which of the following is an example of an integrated development environment (IDE)? a) Microsoft Word b) Notepad++ c) Adobe Photoshop
4. What is the function of an interpreter in the context of programming? a) Executes the program line by line b) Translates the program into machine code c) Combines multiple source files into an executable file

### Section B: Short Answer Questions (30 marks)

5. Explain the difference between a class and an object in object-oriented programming.
6. Define encapsulation and explain its importance in programming.
7. Explain the concept of polymorphism with an example.
8. Write the steps to create a form in a web page using HTML and JavaScript.

### Section C: Practical Questions (20 marks)

9. Write a program in any programming language to implement a stack data structure.
10. Design a database using a database management system to store information about students, including their names, roll numbers, and marks in different subjects.