Nishant eAcademy

CBSE Sample Paper Class 12 Computer Application 2020-21

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

Section A: Multiple Choice Questions (20 marks)

1. Which of the following is a markup language used for web development? a) Python b) HTML c) Java

2. What is the purpose of a relational database management system (RDBMS)? a) Create presentations b) Manage structured data efficiently c) Edit images

3. Which of the following is an example of a server-side scripting language? a) JavaScript b) PHP c) CSS

4. What is the function of an integrated development environment (IDE)? a) Execute the program b) Provide a platform for coding, debugging, and testing c) Translate the program into machine code

Section B: Short Answer Questions (30 marks)

5. Explain the difference between a primary key and a foreign key in a database.

6. Define a constructor and a destructor in object-oriented programming.

7. Explain the concept of polymorphism with an example.

8. Write the steps to connect a web page to a database using a server-side scripting language.

Section C: Practical Questions (20 marks)

9. Write a program in any programming language to create a class for a student with attributes like name, roll number, and marks. Include methods to display and calculate the grade.

10. Design a dynamic web page using HTML, CSS, and JavaScript to create a quiz with multiple-choice questions. Display the final score after submitting the answers.