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CBSE Sample Paper Class 12 Computer Application 2022-23

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) Java c) Machine code

2. What is the purpose of a data structure? a) Store data in a computer system b) Create user interfaces c) Design algorithms

3. Which of the following is an example of an interpreted programming language? a) C++ b) Python c) C#

4. What is the function of a linker in the context of programming? a) Executes the program b) Translates the program into machine code c) Combines multiple object files into an executable file

Section B: Short Answer Questions (30 marks)

5. Explain the difference between procedural programming and object-oriented programming.

6. Define a database management system (DBMS) and explain its advantages.

7. Explain the concept of polymorphism with an example.

8. Write the steps to create a form in a web application using HTML and CSS.

Section C: Practical Questions (20 marks)

9. Write a program in any programming language to implement binary search on a sorted array.

10. Design a database using a database management system to store information about students in a school. Include appropriate tables and relationships.