



Sample Paper

Course : CCA Version-II

Duration : 03:00 Hours

Maximum Marks : 180

Note:

- Attempt all questions in Section A- (2 marks each)
- All questions are compulsory in Section B - (5 marks each). However, out of 12 questions 6 questions will have additional questions as internal choices.
- All questions are compulsory in Section C-(15 marks each). However, out of 4 questions 2 questions will have additional questions as internal choices.

Section A

Q1. Hardware refers to the tangible parts of a computer system.

- a) False
- b) True

Q2. Scrollbars are provided to display content by scrolling up, down, left, or right.

- a) True
- b) False

Q3. A virus is a malicious program that spreads by copying itself into other programs.

- a) None of the options
- b) Transaction
- c) Virus
- d) Warm

Q4. Visual Basic .NET is a compiled language.

- a) True
- b) False

Q5. Virtual functions help implement runtime polymorphism through inheritance.

- a) True
- b) False

Q6. The Rollback() method is used to roll back the ongoing transaction.

- a) True
- b) False

Q7. Which of the following is the decision-making statement

- a) For
- b) IF
- c) While
- d) goto

Q8. Which of the following is not inherited by a derived class from the base class?

- a) Public members
- b) constructors
- c) Protected members
- d) Member Function

Q9. When formatting a cell as Currency, what can you specify:

- a) Decimal places
- b) None of the options
- c) Both Decimal places and Currency Symbol
- d) Currency Symbol

Q10. What characteristics must a programming language have to be classified as a pure object-oriented programming language

- a) Polymorphism
- b) All of the options
- c) Encapsulation
- d) Inheritance

Q11.
 tag is a singular tag in HTML.

- a) True
- b) False

Q12. Which of the following represent the three basic SQL DML Commands?

- a) Insert, Alter, Delete
- b) Drop, Update, Delete
- c) Create, Update, Insert
- d) Insert, Update, Delete

Q13. Which of the following is a program that allows users to search for information on the internet?

- a) Search Engine
- b) Social Networks
- c) Routers
- d) None of the options

Q14. Which CSS implementation introduced properties related to text, lists, boxes, margins, borders, colors, and backgrounds?

- a) False
- b) True

Q15. _____ model of e-governance refers to the government services which are shared by citizens.

- a) G2E
- b) G2C
- c) G2G
- d) G2B

Q16. In a CSS declaration, font-size is known as a

- a) Rule
- b) Property-Name
- c) Property
- d) Selector

Q17. Candidates who show enthusiasm for learning and the confidence to handle new challenges are highly valued by employers.

- a) False
- b) True

Q18. Cloud storage can be accessed from which of the following locations?

- a) Pen drive
- b) Anywhere
- c) CD-ROM
- d) Local Disk

Q19. A program is a sequence of instructions that directs a computer to perform specific operations.

- a) False
- b) True

Q20. The first generation of computers was based on which major electronic component?

- a) Integrated circuit
- b) Capacitor
- c) Transistors
- d) Vacuum tubes

Q21. JavaScript is primarily used for which of the following tasks?

- a) To Execute Query Related to DB on Server
- b) To Perform Server Side Scripting Operation
- c) To add interactivity to HTML Pages
- d) To Style HTML Pages

Q22. An optimizing compiler is one that?

- a) Is optimized to occupy less space
- b) None of the options
- c) Optimize the code
- d) Both of the options

Q23. Which of the following is not a valid Loop structure in VB.Net?

- a) Do While
- b) For Next
- c) Do ... Loop
- d) For Each ...While

Q24. Investing in financial products such as stocks, bonds, and mutual funds can help individuals build wealth over the long term.

- a) True
- b) False

Q25. Which of the following are tokens in C?

- a) Constants
- b) Keywords
- c) Variables
- d) All of the options

Q26. Windows 10 is an example of a GUI-based operating system.

- a) True
- b) False

Q27. A person with self-motivation tends to:

- a) Give up easily
- b) Blame others for failures
- c) Lack ambition
- d) Set and achieve goals

Q28. In C language, scanf() is used to read input provided by the user.

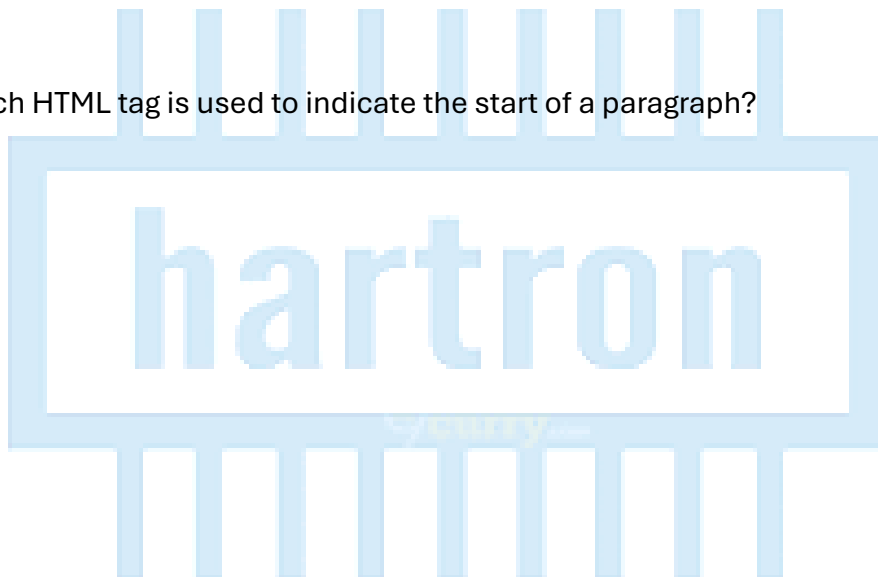
- a) False
- b) True

Q29. The process of moving objects on a slide is known as a

- a) Charts
- b) Animation
- c) Titles
- d) Lists

Q30. Which HTML tag is used to indicate the start of a paragraph?

- a) <P>
- b) <a>
- c) <k>
- d)



Section B

1. Explain different data types in C+?
2. Write a short note on Programming Techniques?
3. Explain the factors that affect the performance of VB.NET applications?

OR

Explain the concept of file handling in C and its significance?

4. Describe the concept of social media with a suitable example?

OR

a) Explain Endnote b) Explain cut-paste and copy-paste?

5. What is CSS box-shadow property?

OR

a) Define a web page and a web site? b) What are the advantages of HTML?

6. Explain the disadvantages of manual system over DBMS?

OR

Explain how Unique key is different from Primary Key?

7. Write a short note on filter in Ms Excel?

OR

a) Explain the concept of page orientation? b) Write the steps to change page orientation.

8. What is the purpose of the <title> tag in HTML? Explain its significance.

OR

a. What are the steps involved in creating a table in HTML? b. Explain row span and col span?

9. What is your preferred method for managing stress? Explain why you prefer this technique?

10. a) What are loops in JavaScript? Explain different types of loops. b) How Java is different from JavaScript?

11. Explain advantages of batch Processing System?

12. Define: (i) joystick ii) Hardware iii) Software iv) Firmware

Section C

Q1.

A	B	C	D
Name	Gender	Country	Score
Raju	Male	United States	74
Jyoti	Female	United Kingdom	92
John	Male	United States	65
Liza	Female	Canada	82

Use formulas with cell reference for the following

- Find how many male and female candidates is there in a list
- Find Liza and john belong to which country?
- Find Name of candidate who has maximum score?

Q2. Create the following form in HTML

Name :

Password :

Email :

Q3. Table: Product(Product_ID, Name, Qty, Unit_Price, TotalAmount) Write SQL queries: (a) Commit a transaction after inserting 2 records. (b) Rollback the transaction after deleting a record. (c) Create a Savepoint before updating marks.

OR

Write a program in C and take input from the user for a number and check whether a number is palindrome using function

Q4. Write a program in C++ to calculate factorial of a given number?

OR

Write a program in VB.NET to calculate the sum of digits of a number using a function.