



Sample Paper

Course : ACCA(CoreJava) 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. Which of the following is not allowed as the starting character of a Java method name?

- a) All of the options
- b) number
- c) (@hyphen)
- d) # (pound)

Q2. The nodes of a linked list are typically stored sequentially in memory?

- a) False
- b) True

Q3. Java allows the public and static modifiers to appear in either sequence while declaring a member?

- a) True
- b) False

Q4. PL/SQL provides portability and high performance for handling database transactions?

- a) False
- b) True

Q5. Employability skills are only important for certain industries, such as customer service or sales, and not relevant in other fields?

- a) False
- b) True

Q6. Metadata in HTML is placed inside which of the following tags?

- a) head tag
- b) html tag
- c) body tag
- d) title tag

Q7. An Internet server is commonly known by which of the following names?

- a) Host
- b) Hub
- c) None of the options
- d) Gateway

Q8. The scanner functions as an output device in a computer system?

- a) False
- b) True

Q9. In C++, a for loop statement cannot contain another for loop statement?

- a) False
- b) True

Q10. In C++, which type of class is known as an abstract class?

- a) A class with atleast one pure virtual function
- b) A class with no functions in it
- c) A class with abstract keyword
- d) Empty Class

Q11. Financial products and services provide individuals with tools to manage and grow their wealth?

- a) False
- b) True

Q12. In SQL, which command is used to eliminate duplicate records from the result set?

- a) UNIQUE
- b) DIFFERENT
- c) DISTINCT
- d) DISTINGUISH

Q13. _____ model of e-governance refers to the government services which are shared by citizens?

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

Q14. A binary tree can be transformed into its mirror form by using which traversal method?

- a) None of the options
- b) InOrder
- c) PreOrder
- d) PostOrder

Q15. Why should you avoid interrupting the speaker during a conversation?

- a) It helps to control the direction of the conversation.
- b) It demonstrates assertiveness and confidence.
- c) It ensures that your ideas are heard before others'.
- d) It shows respect and allows for a smoother flow of communication.

Q16. Which type of interface in Java has no declared fields or methods?

- a) Marker Interface
- b) Abstract Interface
- c) Runnable Interface
- d) CharSequence Interface

Q17. The protocol responsible for downloading emails from a mailbox is known as POP3?

- a) False
- b) True

Q18. White Box techniques are also classified as:

- a) Error guessing technique
- b) None of the options
- c) Design based testing
- d) Structural testing

Q19. Java programs are compiled into bytecode?

- a) True
- b) False

Q20. Which of the following requires the maximum amount of memory?

- a) Class
- b) Stack
- c) JVM
- d) Heap

Q21. An operating system cannot be upgraded after it has been installed?

- a) False
- b) True

Q22. Which register is responsible for holding the address of data to be accessed from memory storage?

- a) PC
- b) None of the options
- c) MAR
- d) IR

Q23. The machine instruction cycle includes four steps: fetching, executing, encoding, and storing instructions?

- a) False
- b) True

Q24. In Java, nextInt() is a Scanner class method used for accepting integer input?

- a) True
- b) False

Q25. In JavaScript, how is a variable declared to store a numeric value?

- a) Integer num;
- b) var num;
- c) integer num;
- d) int num;

Q26. Quality control and quality assurance refer to the same process and have no difference?

- a) True
- b) False

Q27. Which CSS property is used to specify the appearance of a border, including solid, dashed, and double styles?

- a) border-width
- b) border-color
- c) border-bottom-color
- d) border-style

Q28. Files like temporary internet files and downloaded program leftovers are:

- a) Essential for system operation
- b) User-created documents and media
- c) Part of your computer's security system
- d) Unnecessary and can be safely deleted with Disk Cleaner

Q29. In HTML, the tag is used for emphasizing important text and is typically rendered in italics?

- a) False
- b) True

Q30. Which connection type is used by HTTP as the default setting?

- a) Either Persistent or Non-Persistent
- b) Persistent
- c) Non-persistent
- d) None of the options

Section B

Q1. What is Alert, Prompt, and Confirm boxes in JavaScript? Explain each with an example?

Q2. Explain the methodology used to design a combinational circuit?

Q3. Explain how clear and brief written communication contributes to professional success?

Q4. Define:

a) Page Break b) Format Painter c) Hyperlinks d) Header e) Charts

OR

What is device synchronization? Explain how it supports and improves daily work Activities?

Q5. a) Define Primary Key and explain its importance in a relational database?

b) Explain the method of defining and creating a table in a database using SQL. Give an example?

Q6. What is the function of the <noscript> element in HTML? Describe it with an Example?

OR

What are checkboxes and radio buttons in HTML? Explain their uses and provide examples of creating them?

Q7. Write a short note on topology?

OR

Explain the function and importance of a NIC in a computer network?

Q8. Explain the concept of desktop icons and discuss any four examples?

OR

Define:

a) Ribbon, b) Recycle Bin, c) Mouse, d) Notepad, e) Icon

Q9. Define the following:

a) Datatype b) Class c) Constructor d) Constant e) Scope Resolution Operator



Q10. How can you handle exceptions in Java?

OR

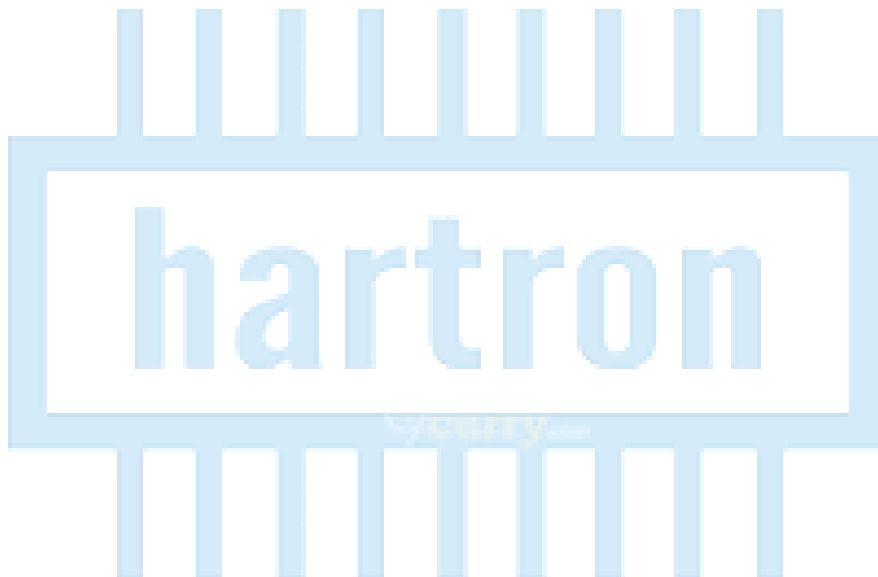
What is the purpose of the finally block in Java? Explain with a suitable example?

Q11. How does SDLC contribute to identifying and preventing errors in a software system? Explain.

Q12. How are Vectors different from Strings in Java?

OR

Describe how AWT components differ from Swing components?



Section C

Q1.

A	B
Fruits	Quantity
Banana	10
Orange	22
Apples	23
Lemons	25
Grapes	30
Beetroot	40
Total Quantity	
Average Quantity	

By using formula with cell reference do the following

- Calculate the total quantity of fruits.
- Determine the average quantity of fruits.
- Find the maximum quantity of Fruit and display Name of fruit.

Q2. Write a program in C++ to find power of a number without using pow() function.

OR

Write an query to create a table named Vehicle_Details with the following attributes:

Vehicle_ID, Vehicle_Name, Vehicle_Type, Rental_Price, Availability_Status.

- Ensure that Vehicle_ID is set as the Primary Key.
- Insert at least three records into the Vehicle_Details.
- Write a query to display all vehicle records where Rental_Price is greater than or equal to 1000.

Q3. Create the following table in HTML

Menu card			
Starter		Main course	
Item	Rate	Item	Rate
Honey cauliflower	50	Malai Kofta	150
Noodles	80	Mix veg	130

Q4. Create a Java program to explain how methods are defined and used inside a class?

OR

Develop a Java applet that accepts two numbers from the user and displays their sum in a browser window?

