



Sample Paper

Course : ACCA(Python) 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. In SQL, the ALTER command is used for modifying the structure of a table.

- a) False
- b) True

Q2. The Internet has contributed very little to the growth of political movements and social awareness activities.

- a) True
- b) False

Q3. To access the Internet using a cable connection, which of the following devices are required?

- a) Both a cable modem and Network Interface
- b) None of the options
- c) A cable modem
- d) Network Interface Card (NIC)

Q4. In Python, why is the else block used with an if statement?

- a) To execute a block of code when the condition is false
- b) To create a loop
- c) To handle errors
- d) To define a function

Q5. The return statement can only return numerical values in Python functions.

- a) False
- b) TRUE

Q6. Which of the following is the correct HTML syntax for linking an external CSS file?

- a) <link rel="stylesheet" type="text/css" href="mystyle.css">
- b) <style src="mystyle.css">
- c) <stylesheet>mystyle.css</stylesheet>
- d) <link rel="stylesheet" type="text/html" href="mystyle.css">

Q7. Real-Time Operating Systems (RTOS) are commonly used in critical applications such as medical devices like pacemakers.

- a) True
- b) False

Q8 Data errors may occur while accessing a program's data log files?

- a) False
- b) True

Q9. Time management skills are essential for employability, but they are not relevant once you have secured a job.

- a) True
- b) False

Q10. Web page validation can be implemented using _____.

- a) All of the options
- b) JavaScript
- c) Tags
- d) CSS

Q11. What should you do before the interview?

- a) Bring your friends for support
- b) Arrive late to show you're busy
- c) Avoid preparing any questions
- d) Research the company and role

Q12. A storage unit of one megabyte contains 1024 kilobytes.

- a) False
- b) True

Q13. Primary storage is temporary.

- a) True
- b) False

Q14. A file containing Python statements and definitions is known as a Python module.

- a) True
- b) False

Q15. Which component is responsible for connecting the internal units of a processor

- a) Processor Bus
- b) Rambus
- c) Processor intra-connectivity circuitry
- d) Memory bus

Q16. Software testing carried out with real inputs and in the actual user environment is known as _____?

- a) Regression testing
- b) None of the options
- c) Beta testing
- d) Alpha testing

Q17. Which operation can be performed using the OS module in Python?

- a) Closing files
- b) Writing to files
- c) Reading file content
- d) Handling file-related operations like renaming and deleting

Q18. Which keyword is used for function in Python language?

- a) fun
- b) Function
- c) def
- d) Define

Q19. FTP stands for File Transfer Protocol.

- a) True
- b) False

Q20. HTML tags are case-sensitive.

- a) False
- b) True

Q21. In an array, which of the following can be considered as an object?

- a) Elements of the Array
- b) Functions of the Array
- c) Index of an array
- d) All of the options

Q22. Which of the following CSS properties allows you to set the color of an element's background?

- a) Background-position
- b) Background-color
- c) Background-image
- d) Background-repeat

Q23. To display data stored in a database table, which SQL command is used?

- a) Update
- b) Delete
- c) Select
- d) Insert

Q24. The fetchall() method retrieves all available records from the result set and stores them as a list of tuples.

- a) False
- b) True

Q25. Which of the following are components of Central Processing Unit (CPU)?

- a) Arithmetic logic unit, Integrated Circuits
- b) Arithmetic logic unit, Control unit
- c) Control Unit, Monitor
- d) Arithmetic logic unit, Mouse

Q26. What is the full form of BHIM App?

- a) Bharat Internet for Mobile
- b) Bharat Internet for Money
- c) None of the options
- d) Bharat Interface for Money

Q27. A stack class can be used as a base to implement a queue

- a) False
- b) True

Q28. Object is created at run time.

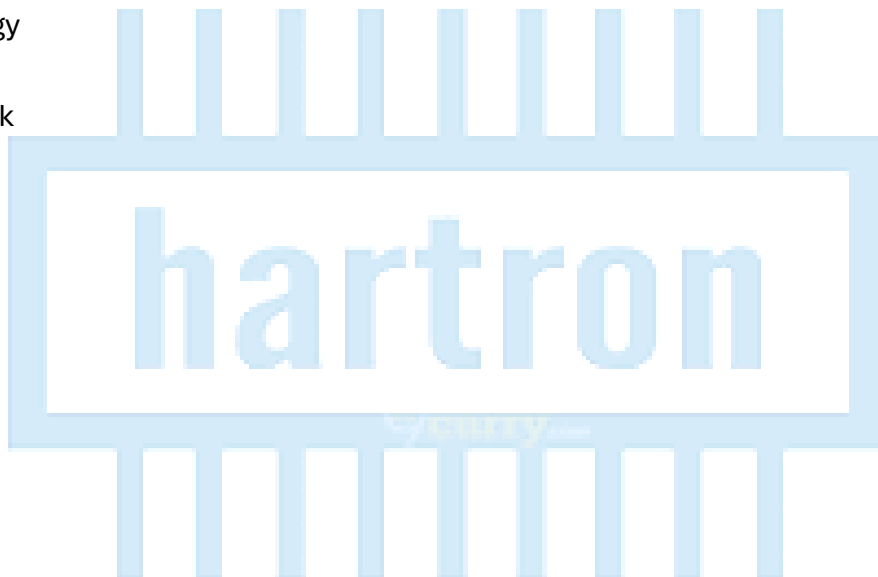
- a) False
- b) True

Q29. Which data structure permits deletion from both the front and rear but allows insertion at only one end?

- a) Input-restricted deque
- b) Output-restricted deque
- c) None of the options
- d) Priority queues

Q30. Which term refers to a group of interconnected devices that communicate through a physical transmission medium?

- a) Hub
- b) Topology
- c) Switch
- d) Network



Section B

Q1. How can a table be made responsive in HTML5? Explain with an example.

OR

Define the <div> element in HTML and describe its use with an example.

Q2. What are the consequences of accessing an existing file in write ('w') mode?

Discuss the risks involved?

OR

Discuss the execution flow of a conditional statement without an else block?

Q3. What are the disadvantages of Operating System?

OR

Explain the terms: a) Maximize button b) Minimize button c) Shut down computer
d) Warm booting e) Close file

Q4. Why is it important for developers to follow coding standards during the implementation stage?

Q5. What are the uses of the string methods slice() and substring()? Explain with Examples?

Q6. Define the following terms:

a) Table, b) Format Painter, c) Full Screen Reading, d) SmartArt, e) Watermark

OR

How does OneDrive help students in their academic work? Explain its uses in education?

Q7. What do you mean by Object-Oriented Programming? Describe the major OOP principles used in C++?

Q8. Explain the concept of Flip-Flops and their types?

Q9. Explain how to create a hierarchy of user-defined exceptions with an example using a base exception **LibraryError** and a derived exception **BookNotAvailableError**.

OR

How do curly braces {n, m} provide control over specifying the exact number of character repetitions?

Q10. Why is teamwork important for achieving organizational goals? Explain.

Q11. a) Define Structured Query Language (SQL)? b) Explain CREATE and ALTER commands in SQL with examples?

Q12. How does a network hub differ from a switch in computer networking?

OR

Describe the roles of SMTP and POP3 and explain how they are different from each other?

Section C

Q1.

	A	B	C	D
1	Subject	Weight	Score	Weighted Score
2	Physics	0.25	85	
3	Chemistry	0.35	76	
4	Biology	0.40	90	

Calculate the following using Formula with cell reference.

1. Find average Weight and Score?
2. Find Weighted Score of each Subject?
3. Find maximum Score?

Q2. Write a Python program to calculate the total marks, average marks, and percentage of a student by accepting marks of five subjects from the user.

OR

Write a Python program to create and manage an Employee database with attributes Emp_ID, Emp_Name, Emp_Department and Emp_Salary. Perform the following operations:

- a) Write a query to insert employee records into the database.
- b) Write a query to display all employee records.
- c) Write a query to delete the record of the employee whose Emp_ID is 201

Q3. Write a program in JavaScript to calculate the square of a number.



Q4. Write a program in C++ to calculate area of rectangle.

OR

(a) Write a query to create a table named Bus_Bookings with the following attributes: Booking_ID, Passenger_Name, Bus_Name, Journey_Date, Ticket_Price. Ensure that the Booking_ID field is defined as the Primary Key.

b) Insert at least two records into the Bus_Bookings table using the following sample data:

Booking_ID: 1, Passenger_Name: 'Michael Brown', Bus_Name: 'City Express Bus', Journey_Date: '2025-11-15', Ticket_Price: 25.00

Booking_ID: 2, Passenger_Name: 'Emily Davis', Bus_Name: 'Luxury Coach', Journey_Date: '2025-11-20', Ticket_Price: 40.00

(c) Write an SQL query to delete the booking record from the Bus_Bookings table where the Booking_ID is 2.

