Parul University Online

Online BCA Program - Sample Question Paper

Instructions:

1. This is a sample question paper for the Online BCA program.

2. Answer all questions.

3. Each question carries marks as indicated.

4. Time allowed: 3 hours

5. Maximum marks: 100

Section A: Multiple Choice Questions (1 mark each)

1. What is the primary function of the ALU?

a) Perform arithmetic and logic operations

b) Store data

c) Manage memory

d) Control input/output

2. Which HTML tag is used to create a table?

a) <table>

b) <tab>

c) <tbl>

d) <tabler>

3. What does CSS stand for?

a) Cascading Style Sheets

b) Computer Style Sheets

c) Creative Style Syntax

d) Cascading Syntax Sheets

4. What is the default port number for HTTPS?

a) 80

b) 443

c) 21

d) 25

5. Which programming language is used for Android development?

a) Java

b) Python

c) C++

d) Ruby

6. What is a pointer in programming?

a) Variable that stores memory address

b) Function

c) Data type

d) None

7. What is the full form of URL?

a) Uniform Resource Locator

b) Universal Resource Locator

c) Uniform Reference Link

d) Unique Resource Locator

8. Which SQL command is used to add new records?

a) INSERT

b) UPDATE

c) DELETE

d) SELECT

9. What is the function of an operating system?

a) Manage hardware and software

b) Compile code

c) Store data

d) None

10. What is encapsulation in OOP?

a) Data hiding

b) Code reuse

c) Inheritance

d) Polymorphism

Section B: Short Answer Questions (5 marks each)

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

12. Describe the client-server architecture.

13. What is normalization in databases?

14. Define recursion with an example.

15. What are the different types of loops in programming?

Section C: Long Answer Questions (10 marks each)

16. Discuss the phases of the software development life cycle.

17. Explain the architecture and functions of an operating system.