Chandigarh 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 function of the CPU?

a) Execute instructions

b) Store data

c) Provide input

d) Manage network

2. Which tag is used for inserting a hyperlink in HTML?

a) <a>

b) <link>

c) <href>

d) <url>

3. What does SQL stand for?

a) Structured Query Language

b) Simple Query Language

c) Sequential Query Language

d) None

4. Which of these is NOT a programming language?

a) Python

b) Java

c) HTML

d) Oracle

5. What is the purpose of an operating system?

a) Manage hardware and software

b) Store data

c) Compile code

d) Send emails

6. What is inheritance in object-oriented programming?

a) Code reuse

b) Data hiding

c) Polymorphism

d) Encapsulation

7. What is the full form of DNS?

a) Domain Name System

b) Digital Network Service

c) Domain Network Server

d) None

8. Which sorting algorithm is based on divide and conquer?

a) Merge Sort

b) Bubble Sort

c) Selection Sort

d) Insertion Sort

9. What is the default port number for HTTP?

a) 80

b) 443

c) 21

d) 25

10. What is polymorphism?

a) Many forms

b) Single form

c) One form

d) None

Section B: Short Answer Questions (5 marks each)

11. Explain the OSI model layers.

12. Describe the difference between a process and a thread.

13. What is the difference between stack and queue?

14. Define database normalization.

15. Explain the concept of recursion.

Section C: Long Answer Questions (10 marks each)

16. Discuss different types of computer networks.

17. Explain the phases of software development life cycle.