Manipal 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 full form of API?

a) Application Programming Interface

b) Applied Programming Interaction

c) Advanced Program Integration

d) None

2. Which of the following is NOT a programming language?

a) Python

b) HTML

c) Java

d) Windows

3. What is the size of a float in Java?

a) 4 bytes

b) 8 bytes

c) 2 bytes

d) 1 byte

4. What does CSS do?

a) Styles the web pages

b) Creates web pages

c) Adds functionality

d) Manages databases

5. Which HTTP method is used to update a resource?

a) GET

b) POST

c) PUT

d) DELETE

6. What is the main function of a constructor in Java?

a) Initialize objects

b) Destroy objects

c) Inherit classes

d) None

7. Which of these is a NoSQL database?

a) MySQL

b) MongoDB

c) Oracle

d) SQL Server

8. What is the full form of DNS?

a) Domain Name System

b) Digital Network Service

c) Domain Network Server

d) None

9. What is inheritance in object-oriented programming?

a) Reusing code

b) Data hiding

c) Polymorphism

d) Overloading

10. Which tag is used for a hyperlink in HTML?

a) <a>

b) <link>

c) <href>

d) <url>

Section B: Short Answer Questions (5 marks each)

11. Explain the concept of encapsulation with examples.

12. Describe the phases of the software development life cycle.

13. What is the difference between a compiler and an interpreter?

14. Explain the TCP/IP model.

15. What is the difference between stack and queue?

Section C: Long Answer Questions (10 marks each)

16. Discuss cloud computing and its advantages.

17. Explain database management systems and their types.