Shoolini 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. Which language is primarily used for web backend development?

a) PHP

b) HTML

c) CSS

d) JavaScript

2. What does SQL stand for?

a) Structured Query Language

b) Simple Query Language

c) Standard Query Language

d) None

3. What is a variable?

a) A memory location to store data

b) A function

c) An operator

d) A keyword

4. Which of the following is NOT an operating system?

a) Windows

b) Linux

c) Chrome OS

d) Java

5. What is the purpose of the 'if' statement?

a) Conditional execution

b) Looping

c) Function call

d) Variable declaration

6. What is the full form of API?

a) Application Programming Interface

b) Applied Program Interface

c) Advanced Programming Interface

d) None

7. What is the default file extension of a Python file?

a) .py

b) .java

c) .exe

d) .txt

8. What is the role of a compiler?

a) Convert source code to machine code

b) Run the code

c) Debug the code

d) Edit the code

9. What does GUI stand for?

a) Graphical User Interface

b) General User Interface

c) Global User Interface

d) None

10. Which of these is a valid comment syntax in Python?

a) # comment

b) // comment

c) /* comment */

d) <!-- comment -->

Section B: Short Answer Questions (5 marks each)

11. Explain the concept of functions in programming.

12. What is a class in object-oriented programming?

13. Describe the difference between list and tuple in Python.

14. What is a database management system?

15. Explain the difference between GET and POST HTTP methods.

Section C: Long Answer Questions (10 marks each)

16. Discuss the phases of software development life cycle.

17. Explain different types of network topologies.