LPU 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 component is known as the 'Brain' of the computer?

a) ALU

b) CPU

c) RAM

d) Hard Disk

2. What does HTML stand for?

a) Hyper Text Markup Language

b) Hyperlink Text Management Language

c) Home Tool Markup Language

d) Hyper Transfer Markup Language

3. Which of the following is a loop structure?

a) if

b) else

c) for

d) switch

4. What is the function of DNS in networking?

a) Translate domain names to IP addresses

b) Manage IP routing

c) Encrypt data

d) Manage hardware

5. What is the default port number for HTTP?

a) 20

b) 21

c) 80

d) 443

6. Which data structure uses Last In First Out (LIFO)?

a) Queue

b) Stack

c) Tree

d) Graph

7. What does SQL stand for?

a) Simple Query Language

b) Structured Query Language

c) Sequential Query Language

d) None

8. What is the full form of URL?

a) Uniform Resource Locator

b) Uniform Reference Link

c) Universal Resource Locator

d) Unique Resource Locator

9. Which tag is used for inserting an image in HTML?

a) <img>

b) <image>

c) <src>

d) <picture>

10. What is the use of a constructor in Java?

a) To initialize objects

b) To destroy objects

c) To inherit objects

d) None

Section B: Short Answer Questions (5 marks each)

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

12. Describe the client-server model.

13. What is normalization in databases and why is it important?

14. Explain the role of an operating system.

15. Define recursion with an example.

Section C: Long Answer Questions (10 marks each)

16. Discuss the different types of computer networks and their advantages.

17. Explain the software development life cycle (SDLC) phases.