

**D-2002**

**Sub. Code**

**22411**

DISTANCE EDUCATION

CERTIFICATE PROGRAMME IN WEB DESIGNING  
EXAMINATION, MAY 2026.

FUNDAMENTALS OF INFORMATION TECHNOLOGY

(CBCS 2020 – 2021 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Differentiate software and data.
2. How is information Technology used at home and for play?
3. Name the five generations of computers.
4. Mention two main types of computer memory.
5. What are the two main categories of software?
6. State the purpose of database software.
7. Specify the advantages of using a computer network.
8. What is a firewall in networking?
9. Write short notes on ISDN.
10. Delineate Internet Address.

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Enlighten the application of IT in Education and Training.

Or

- (b) What is GPS? Explain its uses in various fields.

12. (a) Explicate the basic components of a computer system.

Or

- (b) Write short notes on Virtual Memory and Buffer with examples.

13. (a) Describe any five types of application software with examples.

Or

- (b) What is communication software? Explain its functions with examples.

14. (a) Delineate a computer network. Explain its importance in modern communication.

Or

- (b) Differentiate between LAN, MAN, and WAN with examples.

15. (a) Define modem. Explain the types of modems used for Internet access.

Or

- (b) Elucidate the process of connecting to the Internet and browsing the web.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the role and importance of Information Technology in modern society.
  17. Describe the evolution of computers through the five generation
  18. Explicate the different types of software with suitable examples.
  19. Compare Bus, Ring, Star and Hybrid topologies. Explain in detail with diagram and examples.
  20. (a) What is the URL? Explain its components with an example.  
(b) What are internet search engines? How do they help with locating information on the net?
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**D-2003**

**Sub. Code**

**22413**

DISTANCE EDUCATION

CERTIFICATE PROGRAMME IN WEB DESIGNING  
EXAMINATION, MAY 2026.

WEB DESIGNING

(CBCS 2020 – 2021 Academic Year Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. What is the use of `<title>` tag in HTML?
2. Differentiate between `<ul>` and `<ol>` tags.
3. What is CSS selector?
4. Define CSS.
5. Expand XSL.
6. What is the role of `<?xml version= "1.0"?>` declaration in XML?
7. List out the building blocks of an XML document.
8. What is DTD in XML?
9. Give the syntax for *while* loop in JavaScript.
10. How do you handle dates and times in VBScript?

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Explain the basic structure of an HTML document.

Or

- (b) Write a detail note on Dynamic HTML. Give an example.

12. (a) Differentiate between internal and external CSS.

Or

- (b) How can you change the font style and size using CSS? Provide an example.

13. (a) Describe XSL and its use with XML?

Or

- (b) What are the differences between a well-formed XML document and a valid XML document?

14. (a) What is meant by DOM? Explain.

Or

- (b) Explain the building blocks of XML documents.

15. (a) Write a brief note on arrays in JavaScript.

Or

- (b) Discuss error handling in VBScript.

PART C — (3 × 10 = 30 marks)

Answer any **THREE** questions.

16. Classify the different types of lists in HTML.
  17. Describe the various types of CSS selectors with an example.
  18. Explain about well-formed XML structure and its syntax in detail.
  19. Discuss the difference between internal and external DTDs.
  20. Write a note on control structures in VBScript.
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