BCA-05/DCA-104

June - Examination 2026

BCA (Part-I)/DCA Examination

Web Authoring Tools

Paper : BCA-05/DCA-104

[*Time:* ***3*** *Hours*] [*Maximum Marks:* ***70***]

Note :- The question paper is divided into three Sections A, B and C. Write answers as per the given instructions in each section.

Section-A **7×2=14**

(Very Short Answer Type Questions)

Note :- Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to **30** words. Each question carries **2** marks.

1. (i) What is WWW?
   (ii) State the difference between the CC and BCC fields when composing an email.
   (iii) Define the term 'Cookie' in the context of web browsers.
   (iv) What is the difference between HTTP and HTTPS?
   (v) What is the main purpose of Cascading Style Sheets (CSS)?
   (vi) Name any two search engines commonly used on the web.
   (vii) Differentiate between the JPEG and GIF image formats.

Section-B **4×7=28**

(Short Answer Type Questions)

Note :- Answer **any four** questions. You have to delimit your each answer maximum up to **200** words. Each question carries **7** marks.

2. Explain the Client/Server technique. How does a web browser initiate communication with a web server to retrieve a file?
3. Differentiate between Internet and Intranet.
4. Explain the use of the <img> tag and its attributes with a code example.
5. How are variables and basic data types handled in JavaScript? Explain with suitable examples.
6. Discuss the role of graphics editors (like Photoshop) as Design Tools for building web layouts.
7. What are the main components of a web? How to design a web page?
8. What do you mean by protocols? Explain the E-mail Protocols.
9. Discuss the advantages and disadvantages of the Internet. What are internet services? Explain any four.

Section-C 2×14=28

(Long Answer Type Questions)

Note :- Answer **any two** questions. You have to delimit your each answer maximum up to **500** words. Each question carries **14** marks.

10. How do you create interactive forms in HTML? Explain the use of <form>, <input>, text fields, radio buttons, checkboxes, and submit / reset buttons. Include a complete HTML code example that creates a basic user registration form.

11. What is a Search Engine? Describe the different types of search engines (Spider-Based, Directory-Based, and Link-Based). Furthermore, explain their step-by-step searching operations, including Web crawling, Indexing and Searching.

12. Define a Firewall. Discuss the importance of security on the internet, and clearly outline what specific threats a firewall can protect against and what vulnerabilities it cannot protect against.

13. How do you create tables in HTML? Explain the use of <TABLE>, <TR>, <TD> and <TH> tags. In your answer, write a complete HTML code example demonstrating how to set borders, cellspacing and cellpadding for a table.
