

# **CBSE | DEPARTMENT OF SKILL EDUCATION**

## **WEB APPLICATION (SUBJECT CODE -803)**

### **Sample Question Paper for Class XI (Session 2025-2026)**

**Max. Time: 3 Hours**

**Max. Marks: 60**

#### **General Instructions:**

1. Please read the instructions carefully.
2. This Question Paper consists of **24 questions** in two sections - Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. Out of the given ( $6 + 18 =$ ) **24 questions**, a candidate has to answer ( $6 + 11 =$ ) **17 questions in the allotted (maximum) time of 3 hours.**
5. All questions of a particular section must be attempted in the correct order.
6. **SECTION A - OBJECTIVE TYPE QUESTIONS (30 MARKS):**
  - This section has 06 questions.
  - There is no negative marking.
  - Do as per the instructions given.
  - Marks allotted are mentioned against each question/part
7. **SECTION B - SUBJECTIVE TYPE QUESTIONS (30 MARKS):**
  - This section contains 18 questions.
  - A candidate has to do 11 questions.
  - Do as per the instructions given.
  - Marks allotted are mentioned against each question/part.

## SECTION A: OBJECTIVE TYPE QUESTIONS

|             |                                                                                            |   |
|-------------|--------------------------------------------------------------------------------------------|---|
| <b>Q. 1</b> | <b>Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)</b> |   |
| i.          | c) Assertive                                                                               | 1 |
| ii.         | b) Goal prioritization                                                                     | 1 |
| iii.        | a) Mutual trust                                                                            | 1 |
| iv.         | b) Insert → Page Number                                                                    | 1 |
| v.          | d) Analytical and innovative thinking                                                      | 1 |
| vi.         | a) Wind and solar power projects                                                           | 1 |

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| <b>Q. 2</b> | <b>Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)</b> |   |
| i.          | a) Limited Bandwidth being shared                                  | 1 |
| ii.         | c) Phishing                                                        | 1 |
| iii.        | d) WAN                                                             | 1 |
| iv.         | b) Host part                                                       | 1 |
| v.          | a) Sending unwanted bulk messages for advertising                  | 1 |
| vi.         | c) AntiviruS                                                       | 1 |
| vii         | b) Denial of Service (DoS)                                         |   |

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| <b>Q. 3</b> | <b>Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)</b> |   |
| i.          | a) background-color: blue;                                         | 1 |
| ii.         | b) src                                                             | 1 |
| iii.        | d) target="_blank"                                                 | 1 |
| iv.         | a) <link rel="stylesheet" href="style.css">                        | 1 |
| v.          | b) <ol>                                                            | 1 |
| vi.         | a) <audio>                                                         | 1 |
| vii.        | a) <link rel="stylesheet" href="style.css">                        | 1 |

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| <b>Q. 4</b> | <b>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</b> |          |
| i.          | c) Adding special effects to images                                | <b>1</b> |
| ii.         | d) Gaussian Blur                                                   | <b>1</b> |
| iii.        | b) Background                                                      | <b>1</b> |
| iv.         | a) Ellipse Select Tool                                             | <b>1</b> |
| v.          | c) Layers                                                          | <b>1</b> |
| vi.         | a) Only background and text will be visible                        | <b>1</b> |

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| <b>Q. 5</b> | <b>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</b> |          |
| i.          | c) "30 is the sum"                                                 | <b>1</b> |
| ii.         | b) 7                                                               | <b>1</b> |
| iii.        | d) prompt()                                                        | <b>1</b> |
| iv.         | c) do...while loop                                                 | <b>1</b> |
| v.          | c) Variables can store different data types at different times     | <b>1</b> |
| vi.         | d) 10                                                              | <b>1</b> |

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| <b>Q. 6</b> | <b>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</b> |          |
| i.          | b) 10 <= 10                                                        | <b>1</b> |
| ii.         | c) <b>default</b> is optional                                      | <b>1</b> |
| iii.        | c) <form>                                                          | <b>1</b> |
| iv.         | b) Margin                                                          | <b>1</b> |
| v.          | d) Selection Tools and Layers                                      | <b>1</b> |
| vi.         | c) 15                                                              | <b>1</b> |

## **SECTION B: SUBJECTIVE TYPE QUESTIONS**

**Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks)**

**Answer each question in 20 – 30 words.**

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
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| <b>Q. 7</b>  | The following are examples where written communication is more effective than verbal communication. <ul style="list-style-type: none"> <li>When a <b>permanent record</b> is required, e.g., legal agreements or office circulars.</li> <li>When the <b>message needs to be sent to many people at once</b>, e.g., notices, official emails.</li> </ul>                                                                                          | <b>2</b> |
| <b>Q. 8</b>  | Skill: Time management<br>Benefit: It helps him complete tasks on time and stay organized.                                                                                                                                                                                                                                                                                                                                                       | <b>2</b> |
| <b>Q. 9</b>  | AutoCorrect: Automatically fixes common typing/spelling mistakes while typing (e.g., "teh" → "the").<br>Spell Check: Identifies spelling/grammar mistakes after typing and suggests corrections.<br>AutoCorrect means instant automatic correction however Spell Check is manual review and suggestion.                                                                                                                                          | <b>2</b> |
| <b>Q. 10</b> | Entrepreneurial values are the principles and beliefs that guide an entrepreneur's behavior, decision-making, and approach to work.<br>Examples: Innovativeness, Independence                                                                                                                                                                                                                                                                    | <b>2</b> |
| <b>Q. 11</b> | Importance of E-waste management for sustainable development are: <ul style="list-style-type: none"> <li>Prevents environmental pollution: Proper disposal and recycling of electronic waste reduce harmful chemicals and heavy metals from contaminating soil and water.</li> <li>Conserves resources: Recycling E-waste recovers valuable materials like gold, copper, and plastics, reducing the need for raw material extraction.</li> </ul> | <b>2</b> |

**Answer any 3 out of the given 5 questions in 20 – 30 words each (2 x 3 = 6 marks)**

|              |                                                                                                                                                                                                                                                                                                                                                                                       |          |
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| <b>Q. 12</b> | A Firewall protects a network by acting as a security barrier between the internal trusted network and external untrusted networks (like the Internet).<br>A firewall inspects, filters, and controls data flow, ensuring only safe and authorized communication happens.                                                                                                             | <b>2</b> |
| <b>Q. 13</b> | <code>&lt;input type="text"&gt;</code> is used for single-line text input such as name, email, or username.<br><br><code>&lt;textarea&gt;</code> is used for multi-line text input such as comments, feedback, or address.<br>Example:<br><code>&lt;input type="text" name="username"&gt;</code><br><code>&lt;textarea name="feedback" rows="4" cols="30"&gt;&lt;/textarea&gt;</code> | <b>2</b> |

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| Q. 14 | <p>Independent Editing – Each layer (background, image, text) can be edited separately without affecting the others.</p> <p>Flexibility – Layers can be moved, hidden, reordered, or merged, making the poster design more manageable.</p> <p>Layers make complex designs easy to edit and organize. Ravi is designing a poster in GIMP with three layers: background, image, and text. Why are layers useful in such editing? Give two points.</p> <p>Chapter 3: Multimedia Design Using GIMP</p> | 2 |
| Q. 15 | <pre>var num = 10 let name = "Ravi"; console.log("Name is " + name) if (num == 10) {     console.log("Ten"); }</pre>                                                                                                                                                                                                                                                                                                                                                                               | 2 |
| Q. 16 | <pre>var i = 1;          // Blank 1: initialize loop variable var sum = 0; while (i &lt;= 5) {    // Blank 2:     sum = sum + i;  // Blank 3:     i = i+1;        // Blank 4: } console.log(sum);</pre>                                                                                                                                                                                                                                                                                            | 2 |

Answer any 2 out of the given 3 questions in 30– 50 words each (3 x 2 = 6 marks)

|       |                                                                                                                                                                                                                                                                                                                                    |   |
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| Q. 17 | <pre>p {   color: red;   padding: 10px;   background-color: yellow; }</pre>                                                                                                                                                                                                                                                        | 2 |
| Q. 18 | <p>Filters in GIMP allow creative editing and image enhancement.</p> <p><b>Blur Filter</b> – To soften or blur the background and reduce sharpness.</p> <p><b>Enhance Filter</b> – To improve brightness/contrast of the main object.</p> <p><b>Artistic Filter</b> – To give a painting or sketch-like effect to the picture.</p> | 3 |

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| Q. 19 | <pre> var grade = "B"; switch (grade) {   case "A":     console.log("Excellent");     break;   case "B":     console.log("Good");     break;   case "C":     console.log("Average");     break;   default:     console.log("Fail"); } </pre> | 3 |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|

Answer any 3 out of the given 5 questions in 50– 80 words each (4 x 3 = 12 marks)

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |
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| Q. 20 | <p><b>Antivirus Software</b> – Detects, quarantines, and removes malware like viruses, trojans, and worms.</p> <p><b>Firewall</b> – Blocks unauthorized access to and from the network; monitors incoming and outgoing traffic.</p> <p><b>Anti-Spyware</b> – Detects and removes spyware that secretly monitors user activity.</p> <p><b>Encryption Tools</b> – Encrypts sensitive data to protect it from unauthorized access during storage or transmission.</p>                                 | 4 |
| Q. 21 | <pre> &lt;html&gt; &lt;head&gt;   &lt;title&gt;Sample Form&lt;/title&gt; &lt;/head&gt; &lt;body&gt;   &lt;form&gt;     Name: &lt;input type="text" name="username"&gt;&lt;br&gt;     Password: &lt;input type="password" name="pwd"&gt;&lt;br&gt;     Gender:     &lt;input type="radio" name="gender" value="male"&gt; Male     &lt;input type="radio" name="gender" value="female"&gt; Female      &lt;input type="submit" value="Submit"&gt;   &lt;/form&gt; &lt;/body&gt; &lt;/html&gt; </pre> | 4 |

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| Q. 22 | <pre> &lt;html&gt; &lt;head&gt; &lt;style&gt; h1 {   color: green;   text-align: center; } p {   border: 2px solid black;   padding: 10px;   font-family: Arial;   font-size: 16px; } &lt;/style&gt; &lt;/head&gt; &lt;body&gt;  &lt;h1&gt;Save Trees&lt;/h1&gt; &lt;p&gt;1. Plant more trees in your community.&lt;br&gt; 2. Avoid cutting trees unnecessarily.&lt;/p&gt;  &lt;/body&gt; &lt;/html&gt; </pre> | 4 |
| Q. 23 | <p>(i) select her face- Selection Tool<br/> (ii) crop the image - Crop Tool<br/> (iii) color a part of it - Paintbrush/Fill Tool<br/> (iv) add her name on it- Text Tool</p>                                                                                                                                                                                                                                   | 4 |
| Q. 24 | <pre> var num = parseInt(prompt("Enter a number:")); var isPrime = true; if (num &lt;= 1) {   isPrime = false; } else {   for (var i = 2; i &lt;= num / 2; i++) {     if (num % i == 0) {       isPrime = false;       break;     }   } } if (isPrime)   console.log(num + " is a Prime number"); else   console.log(num + " is Not a Prime number"); </pre>                                                   | 4 |