CBSE | DEPARTMENT OF SKILL EDUCATION
WEB APPLICATION (SUBJECT CODE -803)

Sample Question Paper for Class XI (Session 2024-2025)

Max. Time: 3 Hours   **Max. Marks: 60**

General Instructions:

i. Please read the instructions carefully.

ii. This Question Paper consists of **24 questions** in two sections – Section A & Section B.

iii. Section A has Objective type questions whereas Section B contains Subjective type questions.

iv. **Out of the given (6 + 18 =) 24 questions, a candidate has to answer (6 + 11 =) 17 questions inthe allotted (maximum) time of 3 hours.**

v. All questions of a particular section must be attempted in the correct order.

vi. **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.

vii. **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

Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)

Q. 1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	
i.	a. Both a) and b)	1
ii.	a. Ability	1
iii.	a. She can eat junk food occasionally but incorporate healthier options and exercise regularly.	1
iv.	d. Change All	1
v.	d. All of the above	1
vi	b. Skill Development and Economy	1
Q. 2	**Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)**	
i.	b. Current bandwidth	1
ii.	a. To convert analog signals to digital data	1
iii.	C) The network or subnetwork where the host is located	1
iv.	b. To temporarily disrupt network services	1
v.	d. Local Area Network (LAN)	1
vi.	d. Protocols	1
di.	b. Both assertion and reason are true, but the reason is NOT the correct explanation of the assertion.	1
Q. 3	**Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)**	
i.	b. By using an ID selector within the <href> attribute to link to a specific element on the page.	**1**
ii.	b. <input type="checkbox">	**1**
iii.	a. By using a specific attribute with the <input> tag (e.g., <input type="file">)	**1**
iv.	b. ...	
v.	d. Use the type attribute with the tag	**1**
vi.	d. <src>	**1**
vii.	b. <input type="text">	**1**
Q. 4	**Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)**	
i.	b. You can freely move the left and right panels anywhere on the screen.	**1**
ii.	b. They map images to objects, facilitating the creation of 3D effects.	**1**
iii.	c. Releasing the mouse button when the cursor meets the starting point	**1**
iv.	d. Crop Tool	**1**
v.	a. To draw focus towards the subject in the foreground.	**1**
vi.	d. Layers	**1**
Q. 5	**Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)**	
i.	b. Condition ? First statement : Second statement	**1**
ii.	b. Class11	**1**
iii.	b. prompt()	**1**
iv.	b. Increments i by 2 in each iteration	**1**
v.	b. ===	**1**
vi.	a) 1 + 2 = 3	**1**
Q. 6	**Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)**	
i.	a) It checks if a variable is not a number.	**1**
ii.	b) Only within the function where it is defined.	**1**
iii.	c. Static website	**1**
iv.	b. To insert explanatory notes or annotations within the HTML source code.	**1**
v.	a. Shift + R	**1**
vi.	b. 64	**1**

SECTION B: SUBJECTIVE TYPE QUESTIONS

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

Q.7	Effective communication plays a crucial role in enhancing physical well-being, fostering social connections, and strengthening relationships with family and friends. Here are key reasons why communication is important in everyday life: • **Inform:** Communication allows us to share facts and information, keeping everyone updated and informed about important matters. • **Influence**: Through communication, we can influence or persuade others in subtle yet significant ways, facilitating change and understanding. • **Express Feelings:** Expressing our views and emotions to others is vital for emotional health, enabling us to convey our feelings and build deeper connections. (Any 2 points)	**2**
Q.8	a. Know what they want from life b. Are focused c. Know what is important d. Are dedicated to fulfill their dreams (Any 2 points)	**2**
Q.9	Track change in a Word Document means to keep a record of the changes made in a document. If any document has enabled track change mode then whatever text has the changes that will be highlighted and you can correct the changes. These changes are displayed in a different color. If any text is deleted it will appear as a strikethrough.	**2**
Q.10	The values which make an entrepreneur successful are - a. **Confidence** - Confidence means believing in yourself. Confidence helps entrepreneurs to start the business and helps to implement new things to develop business. It motivates the entrepreneur to keep going even if there are failures. b. **Independence** - Independent entrepreneurs ability to work alone and take the decision independently. c. **Perseverance** - Perseverance means without fear or continually working for the business even when a difficult situation comes up. Always remember that running a business involves many failures. Entrepreneurs have to overcome these failures. d. **Open - Mindedness** - Open - Mindedness person always trying new ideas in the business and being open to others feedback. To start or grow the business an entrepreneur implements many different ideas. (Any 2 points)	**2**
Q.11	The sectors essential for promoting an environmentally friendly economy include: a. Agriculture b. Energy Resources c. Construction d. Fisheries e. Forestry f. Tourism g. Transport h. Water Management i. Waste Management j. Manufacturing Industry (Any 4 points)	**2**

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

Q.12	Paragraph tag is used to define a paragraph. A paragraph always starts on a new line, and browsers automatically add some white space (a margin) before and after a paragraph. It is a container tag. **Attributes for** \<p> **tag:** • **align:** This attribute specifies the horizontal alignment of the text within the paragraph. o Possible values: left (default) , center, right • **dir:** This attribute specifies the text direction for the content within the paragraph. o Possible values: ltr (left-to-right) , rtl (right-to-left)	**2**
Q.13	**Steps to take the screenshot:** • Click on File> Create> Screenshot. • The Screenshot dialog box will appear. • Choose the required options for Area, Delay & Color Profile • Click on Snap.	**2**

Q.14	**Hub**	**Switch**	**2**
	A hub is a repeater with multiple ports	This is a smart version of a Hub	
	It cannot filter data	It can perform error checking before forwarding data.	
	It sends the packets received to all connected devices	It has a buffer and forwards good packet selectively to correct port only.	
	Does not find the best path for the packets and is relatively inefficient	It boosts efficiency and performance.	

| Q.15 | ```
<script>
var prod = 2;
var ctr = 2;

while (ctr <= 9) {
   prod = prod * ctr;
   ctr = ctr + 2;
}
document.write(prod + ", " + ctr + "<br>");
</script>
``` | **2** |
|---|---|---|
| Q.16 | The switch statement is used to select one of many blocks of the code to be executed in a program. The switch expression is evaluated once and the value of the expression is compared with the values of each case. If a match is found, then the associated block of code is executed, otherwise the default code block is executed. <br> **Syntax:** <br> ```
switch(expression) {
  case x:
    // code block
    break;
  case y:
    // code block
    break;
  default:
    // code block
}
``` | **2** |

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

Q.17	Magnifies a selected part of an image: Zoom	3
	a. To select a color on an image: Color Picker	
	b. Create complex shapes, such as Bezier curves, geometrical figures, and different polygonal shapes: Path Tool	
	c. To copy from an image or pattern: Clone	
	d. Resize the image: Scale Image	
	e. Select shapes using intelligent edge fitting: Scissors Select Tool	
Q.18	Tags can be broadly divided into two categories.	3
	1. **Container tags**: These types of tags require a pair of tags that is a starting tag and an ending tag. These tags affect the content which is capsulized between the starting and ending tag. An ending tag is similar to that of a starting tag except that it begins with a slash (/) symbol. e.g:	
	• <HTML>........</HTML>	
	• <HEAD>........</HEAD>	
	• <TITLE>.......</TITLE>	
	• <B>.......</B>	
	2. **Empty tags**: These types of tags require only a starting tag instead of a pair of tags. i.e. it does not require an ending tag. e.g.:	
	• <HR>	
	• <IMG>	
	• <LINK>	
	• 	
Q.19	1. Missing quotation marks - document.write("hello world)	3
	2. Case sensitive - document -> cannot be written as Document	
	3. Missing parenthesis/brackets - document.write("hello world"	
	4. Missing <script> tag in the program (either opening or closing)	
	5. Variable names misspelt. (Any 3 errors)	

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

Q.20	**Advantages:**	4
	• **Data and Resource Sharing:** Files and resources like printers can be stored on a central computer or server. This allows everyone on the network to access and use them.	
	• **Cost Saving:** Sharing devices such as printers and scanners on the network reduces the need to buy multiple machines, saving money.	
	• **Data Backup:** Networks can store backups of important information. If a computer crashes, data can still be accessed from the network or cloud services like Google Drive, OneDrive, or Dropbox.	
	• **Storage Capacity:** Storing data on a server with large storage capacity reduces the storage needs of individual computers. Cloud storage services on the internet further expand storage capabilities.	
	• **Sharing Security Setup:** All devices on the network can be protected by a firewall, enhancing security against virus attacks and unauthorized access.	
	Disadvantages:	
	• **Expensive Setup**: Setting up a network can be costly due to the high cost of cables, wires, and equipment needed.	
	• **Complex Network Management**: Managing a network is challenging and requires skilled personnel. Employees may need training to effectively manage and troubleshoot network issues.	
	• **Security Risks**: Networks, especially Wide Area Networks (WANs), are vulnerable to hacking and virus attacks that can compromise data security.	
	• **Virus Transmission**: Computer networks can facilitate the spread of	

	viruses from one computer to another connected on the network. • **Risk of Data Loss**: If a computer network crashes, there is a risk of losing information or not being able to access information for some time. (Any 2 points)	

Q.21			4

CSS property	Description
border	This property specifies the border in pixels.
width	This property specifies the span/width of the screen as %.
text-align	This property specifies the horizontal alignment of the text in the columns.
vertical-align	This property specifies the vertical alignment of the text in the columns.
height	This property specifies the height of the cell in pixels.
padding	This property is used to control the space between the border and the content in a table

Q.22 — 4

1. **Adding Songs**: Use the <audio> tag to embed audio files like MP3s.

```
<audio controls>
<source src="your_song.mp3" type="audio/mpeg">
Your browser does not support the audio element.
</audio>
```

2. Adding Videos: Use the <video> tag to embed video files like MP4s.

```
<video width="640" height="480" controls>

<source src="your_video.mp4" type="video/mp4">

Your browser does not support the video element.

</video>
```

Attributes:
- **autoplay**: Starts playback automatically.
- **muted**: Starts playback muted.

Q.23 — 4

Filters: A filter is a special kind of tool designed to take an input layer or image, apply a mathematical algorithm to it, and return the input layer or image in a modified format.
   a. **Light and Shadow Filters:** Drop Shadow , Lighting Effects , Lens Flare , Gradient Flare , Long Shadow
   b. Decor Filters: Add Bevel , Add Border , Coffee Stain , Fog , Fuzzy Border, Old Photo
   c. Artistic Filters: Cubism , Oilify , Apply Canvas , Watercolor, Cartoon

Q.24 — 4

a. 7 is odd
b. 55
c. 31
d. Life is Beautiful
   Life is Beautiful
   Life is Beautiful
   Life is Beautiful
   Life is Beautiful