

CBSE | DEPARTMENT OF SKILL EDUCATION

WEB APPLICATIONS (SUBJECT CODE - 803)

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

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):**
 - i. This section has 06 questions.
 - ii. There is no negative marking.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.
7. **SECTION B – SUBJECTIVE TYPE QUESTIONS (30 MARKS):**
 - i. This section contains 18 questions.
 - ii. A candidate has to do 11 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

SECTION A: OBJECTIVE TYPE QUESTIONS

Q. No	Questions	Source Material (NCERT/PSSCI VE/ CBSE Study Material)	Unit/ Chap. No.	Page no. of source material	Marks
Q. 1 Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)					
i.	(c) Non-responding	NCERT	1	8	1
ii.	(b) Paranoid	NCERT	2	35	1
iii.	(a) Intrinsic motivation	NCERT	2	24	1
iv.	(b) Right aligned	NCERT	3	57	1
v.	(b) Ecosystem	NCERT	5	120	1
vi.	(c) perseverance	NCERT	4	97	1
Q. 2 Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)					
i.	(d) Avidemux	CBSE Study Material	1	6	1
ii.	(c) 4 ->3 -> 2 -> 5 -> 1)	CBSE Study Material	1	17	1
iii.	(b) 32-bit and 64-bit	CBSE Study Material	1	2	1
iv.	(c) Wax	CBSE Study Material	1	4	1
v.	(b) Collections	CBSE Study Material	1	13	1
vi.	(c) VOB	CBSE Study Material	1	11	1
vii.	(b) A lot of multimedia is making the site heavy which increases the load time.	CBSE Study Material	2	32	1
Q3. Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)					
i.	(c) Loading Time	CBSE Study Material	2	31	1
ii.	(a) Loop	CBSE Study Material	2	37	1
iii.	(b) raw, uncompressed	CBSE Study Material	2	34	1
iv.	(c) MOV	CBSE Study Material	2	34	1
v.	(b) Video LightBox	CBSE Study Material	2	49	1
vi.	(d) Musical Instrument Digital Interface	CBSE Study Material	2	42	1
vii.	(c) <embed>	CBSE Study Material	2	52	1
Q4. Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)					
i.	(d) Alert Box	CBSE Study Material	3	78	1

ii.	(c) random()	CBSE Study Material	3	93	1
iii.	(b) 6	CBSE Study Material	3	69	1
iv.	(a) TRUE	CBSE Study Material	3	64	1
v.	(d) Portable GrayMap	CBSE Study Material	2	34	1
vi.	(a) Using the object tag	CBSE Study Material	2	37	1
Q5. Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)					
i.	a) 545050	CBSE Study Material	3	66	1
ii.	(b) c++ Programming	CBSE Study Material	3	69	1
iii.	(c) i)-Arithmetic operators, ii) Bitwise operators iii) comparison operators	CBSE Study Material	3	62 & 63	1
iv.	(b) do- while loop	CBSE Study Material	3	69	1
v.	(b) parseInt	CBSE Study Material	3	65	1
vi.	(d) 24X7 (all the time)	CBSE Study Material	4	139	1
Q6. Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)					
i.	(c) Both statements are correct	CBSE Study Material	4	120	1
ii.	a) Tools	CBSE Study Material	4	137	1
iii.	(c) Web Package	CBSE Study Material	4	141	1
iv.	Internet Information Services	CBSE Study Material	4	127	1
v.	(a) IntelliSense	CBSE Study Material	4	114	1
vi.	(b) SEO	CBSE Study Material	4	125	1

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.

Q. No	Questions	Source Material (NCERT/PSSCI VE/ CBSE Study Material)	Unit/ Chap . No.	Page no. of source material	Marks
Q7.	<p>Goal setting helps us to understand what we want, how to achieve it and how do we measure our success. Writing a goal requires that we should understand its purpose and objective.</p> <p>(any 2)</p> <ul style="list-style-type: none"> - A student may set a goal of scoring high marks in an exam. - An athlete may run five miles a day. - A traveller may try to reach a destination city within three hours. 	NCERT	2	29	2
Q8.	<p>Active listening is an art, which comprises both a desire to comprehend, as well as, offer support and empathy to the speaker. It can affect your job effectiveness, the quality of your relationship with others, and hence, your overall well-being</p> <p>(any 2)</p> <p>R- Remove distractions that may hamper listening. For example, reducing the volume of television, radio or mobile phone while talking to a person.</p> <p>E-Eye contact refers to looking at the speaker while listening.</p> <p>S-Show that you are listening attentively to the speaker through gestures.</p> <p>P-Pay attention and focus on what the speaker is saying</p>	NCERT	2	4,5	2
Q9.	<p>A spreadsheet is an electronic document, which has rows and columns. It is used to store data in a systematic way and do calculations. Examples are Microsoft Excel, LibreOffice Calc, Google Sheets</p>	NCERT	3	39	2
Q10.	<p>The key competencies are –</p> <ol style="list-style-type: none"> 1. DECISIVENESS 2. INITIATIVE 3. INTERPERSONAL SKILLS 4. PERSEVERANCE 5. ORGANISATIONALS KILLS <p>(any 2)</p> <p>Decisiveness becomes the most important attribute while setting up a business venture. It is about identifying an opportunity and acting on it. An opportunity is a chance to do something, generally, the right time or moment to do something.</p> <p>Initiative is the ability to take charge and act in a situation before others. Once you have decided what you want to do, the next step is taking</p>	NCERT	4	98	2

	action. There are times when we recognise what action we have to take but do not take it because we think we cannot do it.				
Q11.	Green jobs help in protecting the environment by- (any two points) Increasing the efficiency of energy and raw material. Reducing greenhouse gas emissions. Controlling waste and pollution. Protecting and restoring ecosystems. Supporting adaptation to the effects of climate change Green jobs in agriculture - Organic gardening and farming is the process by which we can grow plants and crops in an environment-friendly way. Green jobs in water conservation There are green jobs in water harvesting and conservation	NCERT	5	114,115, 116	2

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

Q.No	Questions	Source Material (NCERT/PSSCIVE/ CBSE Study Material)	Unit/ Chap. No.	Page no. of source material	Marks
Q12	A raster image is one composed of a field of pixels, each characterized by a color, and is usually created in paint programs, by scanning a picture or by grabbing an image. A vector format is created almost always by a drawing/CAD program and consists not of pixels, but objects such as curves, shades, and characters.	CBSE Study Material	2	32	2
Q13.	JavaScript objects are simply collections of name-value pairs. There are two basic ways to create an empty object: var obj = new Object(); and var obj = { };	CBSE Study Material	3	70	2
Q14.	<pre><script> function greatest(a,b,c) { document.write(" Greatest Number is : " + Math.max(a,b,c)) } </script></pre>	CBSE Study Material	3	95	2
Q15.	A data type is a classification of the type of data that a variable or object can hold. (a) Name of a person : string (b) True/False : Boolean	CBSE Study Material	3	65	2
Q16.	You can apply special effects to web pages just as in presentation software. This helps present special effects to visitors. Examples: Blend, Box in, Box out etc.	CBSE Study Material	4	118	2

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

Q.No	Questions	Source Material (NCERT/PSSCIVE/ CBSE Study Material)	Unit/ Chap. No.	Page no. of source material	Marks
Q17.	Three panes of windows movie maker are : • The Tasks pane lists the common tasks that may be needed to perform while making a movie, including importing files,	CBSE Study Material	1	12-13	3

	<p>editing, and publishing your movie.</p> <ul style="list-style-type: none"> • The Collections pane displays our collection folders, which contain clips • The Contents pane shows clips, effects, or transitions that are working with while creating our movie. 				
Q18.	<ul style="list-style-type: none"> • substring(): The substring() method extracts characters, between two indices (positions), from a string, and returns the substring. The substring() method extracts characters from start to end (exclusive).The substring() method does not change the original string. • reverse() : The reverse() method reverses the order of the elements in an array. The reverse() method overwrites the original array. • unshift(): The unshift() method adds new elements to the beginning of an array. The unshift() method overwrites the original array 	CBSE Study Material	3	72-73	3
Q19.	<p>(a) Add-ins extend the capability of the main program by adding enhanced custom commands and specialized features.</p> <p>(b) A snippet is a small section of text or Source code that can be inserted into the code of a program or Web page. Snippets provide an easy way to implement commonly used code or functions into a larger section of code. Instead of rewriting the same code over and over again, a programmer can save the code as a snippet and simply drag and drop the snippet wherever it is needed.</p> <p>(c) If we know the size occupied by files in a website, we can determine if we have sufficient web space or even determine the time taken to download before visitor can view the web page by Select View -> Site -> Site Summary</p>	CBSE Study Material	4	115, 116, 134	3

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

Q.No	Questions	Source Material (NCERT/PSSCIVE/ CBSE Study Material)	Unit/ Chap. No.	Page no. of source material	Marks
Q20.	On your website, you may have some common items displayed on all pages such as the logo, copyright & organization details, navigation menu, etc. but the content may vary on each page. Here, you can create a dynamic web template (DWT) with fixed positions for common elements and modifiable designated portions on each web page. Templates help you organize the entire website to have a consistent look and feel. This is very helpful when you work with large number of web pages	CBSE Study Material	4	120	4

	<p>Features:</p> <p>1) When you update the DWT, all web pages in the website are automatically updated to changes.</p> <p>2) You can create multiple DWT and keep changing just the template that affects the entire website.</p> <p>3) You can allow only specific portions of the pages to be edited instead of the whole web page resulting in better control and reduced chances of mistakes. This feature is very useful when multiple developers work on the same website.</p>				
Q21.	<p>Here are the answers to Anuj's questions:</p> <p>(a) wo suitable audio formats - .au - .iff</p> <p>(b) Tag for adding Flash files <embed> or <object></p> <p>(c) Quick Media Converter and free make video converter</p> <p>(d) Greater Immersion: Adding multimedia elements to a Web page make it easier to draw in viewers. While video is the most popular multimedia addition, sites also add audio and interactive content to attract and hold the attention of the viewers</p>	CBSE Study Material	4	(a) 35 (b) 52 (c) 46 (d) 31	4
Q22.	<pre> <!DOCTYPE html> <html> <body> <p id="demo">Click the button to display only the even elements from the array.</p> <button onclick="myFunction()">Click me</button> <script> var numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]; function myFunction() { var evenNumbers = numbers.filter(function(num) { return num % 2 === 0; }); var x = document.getElementById("demo"); x.innerHTML = evenNumbers; } </script> </body> </html> </pre>	CBSE Study Material	4		4
Q23.	<pre> var year = parseInt(prompt("Enter a year: ")); // Check leap year conditions if (year % 400 === 0) { document.write(year + " is a leap year."); } else if (year % 4 === 0 && year % 100 !== 0) { </pre>	CBSE Study Material	4		4

	<pre>document.write(year + " is a leap year."); } else { document.write(year + " is not a leap year."); }</pre>				
Q24.	<p>(a) The objects in Web pages are organized in a hierarchical structure. All objects have properties and methods. In addition, some objects also have "events". Events are things that happen, usually user actions that are associated with an object. The "event handler" is a command that is used to specify actions in response to an event. Below are some of the most commonly used events:</p> <p>onLoad - - - - - occurs when a page loads in a browser onUnload----- occurs just before the user exits a page</p> <p>(b)</p> <pre><html> <body> <p>Click the button to replace the text</p> <p id="demo">System applications</p> <button onclick="myFunction()">Try it</button> <script> function myFunction() { var str = document.getElementById("demo").innerHTML ; var newStr = str.replace("System", "web"); document.getElementById("demo").innerHTML = newStr; } </script> </body> </html></pre>	CBSE Study Material	4	(a) 107 (b) 90	4