

CBSE | DEPARTMENT OF SKILL EDUCATION

WEB APPLICATION (SUBJECT CODE -803)

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

Max. Time: 3 Hours

Max. Marks: 60

PART A - EMPLOYABILITY SKILLS (10 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	
1	Communication Skills-IV	1	1	2
2	Self-Management Skills-IV	2	1	3
3	ICT Skills-IV	1	1	2
4	Entrepreneurial Skills-IV	1	1	2
5	Green Skills-IV	1	1	2
TOTAL QUESTIONS		6	5	11
NO. OF QUESTIONS TO BE ANSWERED		Any 4	Any 3	7
TOTAL MARKS		1 x 4 = 4	2 x 3 = 6	10 MARKS

PART B - SUBJECT SPECIFIC SKILLS (50 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANS. TYPE QUES.- I	SHORT ANS. TYPE QUES.- II	DESCRIPTIVE/ LONG ANS. TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	3 MARKS EACH	4 MARKS EACH	
1	Movie Editing Tools	6	-	1	1	8
2	Customizing and Embedding Multimedia components in Web Pages	10	1	-	1	12
3	Web Scripting – JavaScript	9	3	1	3	16
4	Work Integrated Learning IT – WA-II	7	1	1	-	9
TOTAL QUESTIONS		32	5	3	5	45
NO. OF QUESTIONS TO BE ANSWERED		26	Any 3	Any 2	Any 3	34
TOTAL MARKS		1 x 26 = 26	2 x 3 = 6	3 x 2 = 6	4 x 3 = 12	50 MARKS

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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. 1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	
i.	Which of the following is not a stage of active listening? (a) Receiving (b) Understanding (c) Non-responding (d) Evaluating	1
ii.	Rishita is feeling extremely nervous and worried because she believes that other people do not like her or are trying to harm her. Identify the personality disorder from the following: (a) Antisocial (b) Paranoid (c) Histrionic (d) Narcissistic	1
iii.	"I enjoy singing and practicing it as it gives me a lot of pleasure. It also works as a stress buster." The sentence given above is an example of (a) Intrinsic motivation (b) Extrinsic motivation (c) External motivation (d) Lack of motivation	1
iv.	What is the default alignment of numbers in a cell? (a) Left aligned (b) Right aligned (c) Center aligned (d) Randomly aligned	1
v.	Ecosystem is the community of living and non-living beings existing together, and interacting with and supporting each other. (a) Balanced Society (b) Ecosystem (c) Ecosociety (d) Balanced System	1
vi.	The ability to continue to do something, even when it is difficult, is called _____. (a) initiative (b) organizational skills (c) perseverance (d) attitude	1
Q. 2	Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)	
i.	_____ is a free video editor designed for simple cutting, filtering and encoding tasks. (a) Wax (b) Moviestorm (c) VideoSpin (d) Avidemux	1
ii.	Identify the correct sequence of steps to split a movie. 1) Under the preview monitor, click the Split button. 2) When the clip reaches a point near the place you want to split the clip, click Pause. 3) Under the preview monitor, click the Play button. 4) In the Contents pane or on the storyboard/timeline, click the video or audio clip that needs to be split. 5) Under the preview monitor, use the playback controls to find the point where we want to split the clip. (a) 3) ->2) -> 1) -> 5) -> 4) (b) 5) ->3) -> 2) -> 4) -> 1) (c) 4) ->3) -> 2) -> 5) -> 1) (d) 2) -> 3) -> 1)-> 5) -> 4)	1
iii.	Virtual Dub is a video capture/processing utility for _____ Windows platforms (a) 32-bit (b) 32-bit and 64-bit (c) 16-bit and 32-bit (d) 64-bit	1
iv.	_____ can create 2D & 3D special effects and can work in two modes – as a standalone application and as a "plug-in" : (a) MovieStorm (b) AVITrimmer (c) Wax (d) Cinefx Jashaka	1
v.	Which pane in Windows Movie Maker displays the folder containing clips? (a) Tasks (b) Collections (c) Contents (d) Menu Bar	1
vi.	The clips will be in _____ format only to be used in DVD Knife. (a) WMV (b) PNG (c) VOB (d) AVI	1
vii.	When opening the website created by Rishi, the message 'Please wait! Loading' is displayed on the screen. What could be the possible reasons for this? (a) The SEO ranking of the website is low. (b) A lot of multimedia is making the site heavy which increases the load time. (c) The multimedia may not be compatible with the device. (d) The website is old and is not supported by the browser.	1

Q3.	Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)	
i.	Which of the following is not an advantage of using multimedia on web pages? (a) Greater Immersion (b) Better Branding (c) Loading Time (d) Enhanced Page Ranking of SEO	1
ii.	Keshav is building a webpage where he needs to play a background sound file continuously without stopping. He wants to ensure the sound loops forever. Which attribute of the <embed> command should Keshav set to True in order to loop the sound file continuously? (a) Loop (b) Src (c) Align (d) Autostart	1
iii.	An FLC is an Autodesk Flick movie and is a _____ series of frames. (a) processed, uncompressed (b) raw, uncompressed (c) raw, compressed (d) processed, compressed	1
iv.	Akshat wants to export his animated movie in a native QuickTime format. What file extension should he choose? (a) FLA (b) SWF (c) MOV (d) GIF	1
v.	Abha is writing a blog and wants to include a video into her blog page but she doesn't want to write any code for embedding the same. Suggest her which program that can be used to embed the video without writing any code. (a) Quick Media Converter (b) Video LightBox (c) OEmbed (d) Easy HTML5 Video	1
vi.	MIDI stands for (a) Musical Instrumental Digitized Interleave (b) Music Instrument Drama Interface (c) Multimedia Digital Interface (d) Musical Instrument Digital Interface	1
vii.	The _____ tag was introduced by Netscape to enable files that required plug-ins to be viewed within a web page. (a) <audio> (b) <video> (c) <embed> (d) swfobject	1
Q4.	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	A developer is working on a web form where users occasionally enter incorrect information. To provide users with immediate feedback about errors, the developer wants to display a warning or error message, which of the following methods should the developer use? (a) Prompt box (b) Input Box (c) Dialog Box (d) Alert Box	1
ii.	_____, inbuilt function returns an arbitrary value between 0 and 1. (a) randint() (b) randfloat() (c) random() (d) Floor()	1
iii.	How many times will the following loop run? for(var i=0 ; i<=5 ; i++) { document.write("Hello"); } (a) 5 (b) 6 (c) 0 (d) Unlimited	1
iv.	Select the correct output: ans = 40 > 9 ? " TRUE" : "FALSE" document.write(ans) (a)TRUE (b) FALSE (c) TRUEFALSE (d) FALSETRUE	1
v.	_____ are all file formats used by the PBM tools set of Unix graphics utilities.	1

	(a) PSD	(b) CGM	(c) PCX	(d) Portable GrayMap	
vi.	Ravi is tasked with embedding an MP3 file into a webpage for a client. He needs to choose the right method that allows for straightforward audio playback. Which method effectively embed MP3 audio directly into the webpage?				1
	(a) Using the object tag		(b) Oembed		
	(c) Quick Media Converter		(d) Vimeo Embed Code		
Q5.	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)				
i.	Given a string object name Pay having value as "45000" stored in it. Obtain the output of the following: document.write("5" + parseInt(Pay)+50);				1
	(a) 545050	(b) 545005	(c) 45050	(d) 45000	
ii.	Predict the output of the given code: var option=parseInt(prompt("Enter a number")); switch(option) { case 1: alert("Java Programming"); case 2: alert("c++ Programming"); break; case 3:alert("Visual Basic Programming"); default:alert("Database"); } What will be the output of the above code if the value of option is 1?				1
	(a) Java Programming		(b) c++ Programming		
	(c) Visual Basic Programming		(d) Database		
iii.	Identify the type of operators. i) *, /, + ii) >>, >>> iii) <, >=, >, ==				1
	a) i)- Arithmetic operators, ii) relational operators, iii) comparison operators b) i)-Arithmetic operators, ii) comparison operators iii) Assignment operators c) i)-Arithmetic operators, ii) Bitwise operators iii) comparison operators d) i)-Arithmetic operators, ii) comparison operators iii) logical operators				
iv.	_____ is an example of an exit-controlled loop.				1
	(a) for loop	(b) do-while loop	(c) while loop	(d) All of the above	
v.	The _____ inbuilt JavaScript function converts a string into an integer.				1
	(a) String	(b) parseInt	(c) len	(d) random	
vi.	Once a website is published, it is available _____ for its visitors for view.				1
	(a) for one day	(b) for one hour	(c) for 5 hours only	(d) 24X7 (all the time)	
Q6.	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)				
i.	Consider the two statements: i) When you update the DWT, all web pages in the website are automatically updated to changes. ii) You can create multiple DWT and keep changing just the template that affects the entire website. Select the correct option from the following :				1
	(a) Only statement i) is correct		(b) Only statement ii) is correct		

	(c) Both statements are correct (d) Both statements are wrong	
ii.	Saksham is working on a website and needs to manage and update links across various pages efficiently. He is using a web development tool to ensure all links are correctly recalculated. In which menu would Saksham find the option to "Recalculate Links" ? (a) Tools (b) Format (c) View (d) Insert	1
iii.	_____ feature is used to transfer contents of your entire website (preserving the structure) to a remote computer. (a) Transitions (b) Loading Time (c) Web Package (d) Autostart	1
iv.	Expand the term IIS.	1
v.	Milind is coding a website and wants to utilize a feature that helps him by providing a list of code options and attributes as he types in the code view mode. Which feature should Milind use to get a popup list of code options and attributes while working in the code view? (a) IntelliSense (b) Add-ins (c) Transitions (d) Snippets	1
vi.	_____ refers to the process that affects the website visibility or ranking when displaying search results. (a) DWT (b) SEO (c) MEW (d) ASP	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.

Q7.	Explain the importance of goal setting. Provide a few examples of result-oriented goals	2
Q8.	Describe your understanding of the importance of active listening in effective communication. List two strategies you can use to ensure you practice active listening in conversations.	2
Q9.	What is a spreadsheet? Give any 2 examples of spreadsheet software.	2
Q10.	List key competencies needed for entrepreneurship. Explain any two of these competencies and how they contribute to entrepreneurial success.	2
Q11.	How does the promotion of green jobs contribute to reducing carbon emissions? Provide specific examples of green jobs in these sectors.	2

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

Q12	Differentiate between raster and vector graphics.	2
Q13.	What are objects in JavaScript? Mention the two methods to create an empty object.	2
Q14.	Write a function in JavaScript which accept three numbers as arguments and display the greatest number	2
Q15.	Define Data type. Which data type will you use to store the following : (a) Name of a person (b) True/False	2
Q16.	Demonstrate your understanding of page transitions in web design. Explain their purpose.	2

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

Q17.	Explain three types of panes in Windows Movie Maker.	3
Q18.	Explain the following function (a) substring() (b) reverse() (c) unshift()	3
Q19.	Explain the following terms: a. Add-ins b. Snippets c. Site Summary	3

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

Q20.	Explain the role of Dynamic Web Templates (DWT) in web development. How do they facilitate collaboration when multiple developers are working on the same website? Highlight two key features of DWT and describe how these features contribute to efficient website management and development.	4
Q21.	Anuj is new to website development and wants to learn more about adding multimedia elements to his web pages. Help him by answering the following questions: (a) List two formats that are most suitable for embedding audio files. (b) Which tags are used for adding Flash files to a webpage? (c) Write the HTML tag used to embed a video file into a webpage. (d) Explain why multimedia elements are important for enhancing a webpage's user experience.	4
Q22.	Write function in JavaScript to print the even numbers from an array	4
Q23.	Write a JavaScript program to find out whether the given year is a leap year or not. Use the prompt box for inputting the year.	4
Q24.	(a) Explain event handling in JavaScript. List 2 most commonly used events (b) Write a JavaScript program to replace the word "System" with "web" in the given text "System applications."	4