

Marking Scheme
Strictly Confidential
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Senior Secondary School Examination, 2026 (XIIth)
SUBJECT NAME : Web Application (Q.P. CODE 803/327)

General Instructions : -

1	The CBSE has decided to introduce On Screen Marking (OSM) for the evaluation of Class XII answer Book with the 2026 Examination.
2	You are aware that evaluation is the most important process in the actual and correct assessment of the candidates. A small mistake in evaluation may lead to serious problems which may affect the future of the candidates, education system and teaching profession. To avoid mistakes, it is requested that before starting evaluation, you must read and understand the spot evaluation guidelines carefully.
3	“Evaluation policy is a confidential policy as it is related to the confidentiality of the examinations conducted, evaluation done and several other aspects. Its leakage to public in any manner could lead to derailment of the examination system and affect the life and future of millions of candidates. Sharing this policy/document to anyone, publishing in any magazine and printing in Newspaper/Website, etc. may invite action under various rules of the Board and IPC.”
4	Evaluation is to be done as per instructions provided in the Marking Scheme. It should not be done according to one’s own interpretation or any other consideration. Marking Scheme should be strictly adhered to and religiously followed. However, while evaluating, answers which are based on latest information or knowledge and/or are innovative, they may be assessed for their correctness otherwise and due marks be awarded to them. In Class-XII, while evaluating two competency-based questions, please try to understand given answer and even if reply is not from marking scheme but correct competency is enumerated by the candidate, due marks should be awarded.
5	The Marking scheme carries only suggested value points for the answers. These are in the nature of Guidelines only and do not constitute the complete answer. The students can have their own expression and if the expression is correct, the due marks should be awarded accordingly.
6	The Head-Examiner must go through the first five answer books evaluated by each evaluator on the first day, to ensure that evaluation has been carried out as per the instructions given in the Marking Scheme. If there is any variation, the same should be zero after deliberation and discussion. The remaining answer books meant for evaluation shall be given only after ensuring that there is no significant variation in the marking of individual evaluators.
7	Evaluators will mark (✓) wherever answer is correct. For wrong answer CROSS ‘X’ be marked. Evaluators will not put right (✓) while evaluating which gives an impression that answer is correct and no marks are awarded. This is most common mistake which evaluators are committing.
8	If a question has parts, please award marks on the right-hand side for each part in the OSM Portal. Marks awarded for different parts of the question will be totaled up by the OSM System.
9	If a question does not have any parts, marks must be awarded in the left-hand margin in the OSM Portal. This may also be followed strictly.

10	No marks to be deducted for the cumulative effect of an error. It should be penalized only once.
11	A full scale of marks <u>60</u> (example 0 to 80/70/60/50/40/30 marks as given in Question Paper) has to be used. Please do not hesitate to award full marks if the answer deserves it.
12	Every examiner has to necessarily do evaluation work for full working hours i.e., 8 hours every day and evaluate 20 answer books per day in main subjects and 25 answer books per day in other subjects (Details are given in Spot Guidelines). This is in view of the reduced syllabus and number of questions in question paper.
13	Ensure that you do not make the following common types of errors committed by the Examiner in the past: - <ul style="list-style-type: none"> • Answers marked as correct, but marks not awarded. (Ensure that the right tick mark is correctly and clearly indicated. It should merely be a line. Same is with the X for incorrect answer.) • Half or a part of answer marked correct and the rest as wrong, but no marks awarded.
14	While evaluating the answer books if the answer is found to be totally incorrect, it should be marked as cross (X) and awarded zero (0) Marks.
15	The Examiners should acquaint themselves with the guidelines given in the “Guidelines for Spot Evaluation” before starting the actual evaluation.
16	The candidates are entitled to obtain photocopy of the Answer Book on request on payment of the prescribed processing fee. All Examiners/Additional Head Examiners/Head Examiners are once again reminded that they must ensure that evaluation is carried out strictly as per value points for each answer as given in the Marking Scheme.
17	If a candidate attempts both alternatives/options in a question where only one option/ alternative is required to be attempted, the Evaluator shall award marks in both the options. The system will take the higher of two scores and disregard the other response.
18	In a question having two options/alternatives, if a candidate has attempted only one, then the evaluator shall mark “NA” (Not attempted) against the option that has not been attempted by the candidate.

MARKING SCHEME
Web Application (Subject Code-803)
(PAPER CODE: 327) (P3270803)

Important Note:

- All answers provided in the Marking scheme are SUGGESTIVE
- Evaluators are requested to accept all possible alternative correct answer(s) and even accept answers which are beyond the scope of content of the CBSE/NCERT Text Book.
- Wherever multiple answers suggested, they are not in any specific order.
- In each section, if the students have attempted more questions than the number of options of questions asked, the number of correctly answered questions should be considered for evaluation.

Time allowed: 3 Hours

Maximum Marks: 60

SECTION – A						
(Objective Type Questions)					(30 Marks)	
Q. No.			SOURCE	CHAPTER	PAGE NO	MARKS
1.	Answer any 4 out of the given 6 questions on Employability Skills.					(4x1=4)
	(i)	(C) Narcissistic personality disorder (1 mark for correct answer)	NCERT	2	36	1
	(ii)	(D) Speaking (1 mark for correct answer)	NCERT	1	5	1
	(iii)	(D) Password – protect the spreadsheet (1 mark for correct answer)	NCERT	3	60	1
	(iv)	(B) Painting, because you enjoy doing it (1 mark for correct answer)	NCERT	2	24	1
	(v)	(A) Lack of requisite machinery and other infrastructure (1 mark for correct answer)	NCERT	4	92	1
	(vi)	(B) Encouraging the use of biomass to improve ethanol availability (1 mark for correct answer)	NCERT	5	115	1
2	Answer any 5 out of the given 7 questions.					(5x1=5)
	(i)	(B) Devices embedded with software, sensors, and network connectivity (1 mark for correct answer)	CBSE HANDBOOK	1	1	1
	(ii)	(A) Perform tasks within specific and predictable limits	CBSE HANDBOOK	1	6	1

		<i>(1 mark for correct answer)</i>				
	(iii)	(C) On the device, locally and in real time. <i>(1 mark for correct answer)</i>	CBSE HANDBOOK	1	11	1
	(iv)	(C) Machine Learning <i>(1 mark for correct answer)</i>	CBSE HANDBOOK	1	12	1
	(v)	(B) Using digital channels to market products and services <i>(1 mark for correct answer)</i>	CBSE HANDBOOK	1	14	1
	(vi)	(D) Restricted collaboration <i>(1 mark for correct answer)</i>	CBSE HANDBOOK	1	10	1
	(vii)	(C) delete person.age <i>(1 mark for correct answer)</i>	CBSE HANDBOOK	2	36	1
3	Answer any 6 out of the given 7 questions.					(6x1=6)
	(i)	(C) 123Sum() <i>(1 mark for correct answer)</i>	CBSE HANDBOOK	2	30	1
	(ii)	(C) er S <i>(1 mark for correct answer)</i>	CBSE HANDBOOK	2	37	1
	(iii)	(B) unshift() <i>(1 mark for correct answer)</i>	CBSE HANDBOOK	2	43	1
	(iv)	(C) Statement-I is False, Statement-II is true <i>(1 mark for correct answer)</i>	CBSE HANDBOOK	3	66	1
	(v)	(B) Visiting a website that stores cookies on the browser <i>(1 mark for correct answer)</i>	CBSE HANDBOOK	4	112	1
	(vi)	(B) onmouseout <i>(1 mark for correct answer)</i>	CBSE HANDBOOK	2	52	1

	(vii)	(B) 9 (1 mark for correct answer)	CBSE HANDBOOK	2	51	1
4	Answer any 5 out of the given 6 questions. (5x1=5)					
	(i)	(C) Writing computer program (1 mark for correct answer)	CBSE HANDBOOK	3	65	1
	(ii)	(A) Hacking (1 mark for correct answer)	CBSE HANDBOOK	4	128	1
	(iii)	(C) Trimming (1 mark for correct answer)	CBSE HANDBOOK	3	75	1
	(iv)	(A) Adobe Spark (1 mark for correct answer)	CBSE HANDBOOK	3	91	1
	(v)	(C) To find the beats in a song and create snap points (1 mark for correct answer)	CBSE HANDBOOK	3	87	1
	(vi)	(C) To apply the style and formatting of elements and text across the design (1 mark for correct answer)	CBSE HANDBOOK	3	71	1
5	Answer any 5 out of the given 6 questions. (5x1=5)					
	(i)	(D) Media (1 mark for correct answer)	CBSE HANDBOOK	3	93	1
	(ii)	(C) Patent (1 mark for correct answer)	CBSE HANDBOOK	4	122	1
	(iii)	(C) Identity Theft (1 mark for correct answer)	CBSE HANDBOOK	4	126	1
	(iv)	(B) Protecting sensitive personal data or information by companies (1 mark for correct answer)	CBSE HANDBOOK	4	115	1

	(v)	(D) Draw (1 mark for correct answer)	CBSE HANDBOOK	3	70	1
	(vi)	(C) Ransomware (1 mark for correct answer)	CBSE HANDBOOK	4	128	1
6	Answer any 5 out of the given 6 questions. (5x1=5)					
	(i)	(D) parseInt () (1 mark for correct answer)	CBSE HANDBOOK	2	31	1
	(ii)	(C) 120, 121, 202, 21, 24 (1 mark for correct answer)	CBSE HANDBOOK	2	48	1
	(iii)	(C) myArray[myArray.length – 1] (1 mark for correct answer)	CBSE HANDBOOK	2	42	1
	(iv)	(B) Plagiarism (1 mark for correct answer)	CBSE HANDBOOK	4	119	1
	(v)	(C) 4 (1 mark for correct answer)	CBSE HANDBOOK	2	51	1
	(vi)	(C) Ensuring the accuracy, completeness, and reliability of data. (1 mark for correct answer)	CBSE HANDBOOK	4	116	1
<p style="text-align: center;">SECTION – B (Subjective Type Questions) (30 Marks)</p>						
<p>Answer any 3 questions out of the given 5 questions (Question No 7 to 11) on Employability Skills. Answer each question in 20 – 50 words. (3x2=6)</p>						
7		An imperative sentence shows an order, command, request, advice or instruction. It can end with a full stop (.) or an exclamation mark (!). Example: Complete your project. (or any other) (1 mark for correct answer) (1 mark for correct example)	NCERT	1	19	2
8		Personality is a combination of thoughts, feelings, and behaviours that make a person unique and different from others.	NCERT	2	33	2

		<p>Extraversion is a personality parameter where a persons or individuals who interact with people and easily make friends, confidence, social and extroverts.</p> <p><i>(1 mark for each correct answer)</i></p>				
9	(a)	<p>A worksheet is a collection (or group) of cells in the form of a grid. Where data (Text, Numbers, Formulas) has been entered in the form of rows and columns.</p> <p>When we open a spreadsheet for the first time, we see a blank worksheet named 'Sheet 1'.</p> <p><i>(1 mark for correct definition)</i></p>	NCERT	3	42	2
	(b)	<p>A workbook is a spreadsheet that has one or more worksheets (or group of worksheets).</p> <p><i>(1 mark for correct definition)</i></p>				
10	(a)	<p>Decisiveness: It is the ability to make quick and profitable decisions.</p> <p style="text-align: center;">Or</p> <p>It can be termed as ability of problem solving.</p> <p style="text-align: center;">Or</p> <p>Identifying opportunity and acting on it.</p> <p><i>(1 mark for correct answer)</i></p>	NECRT	4	97	2
	(b)	<p>Perseverance: It is the ability to continue doing something even when it is difficult.</p> <p style="text-align: center;">Or</p> <p>It is the quality of trying again and again until you succeed.</p> <p><i>(1 mark for correct answer)</i></p>				
11		<p>Organic farming is the process of growing plants and crops in an environment-friendly way, without using synthetic pesticides or chemicals.</p> <p>Advantage</p> <ul style="list-style-type: none"> Organic fruits and vegetables are free from chemical residues, making them healthier for consumption. <p style="text-align: center;">Or</p> <ul style="list-style-type: none"> It prevents water pollution and soil contamination as no chemical is added to the soil. <p style="text-align: center;">Or</p> <ul style="list-style-type: none"> By using organic method, it prevents death of insects, birds, critters and other beneficial soil organisms. <p style="text-align: center;">Or</p> <p>(Any other correct advantage may be considered)</p>	NCERT	5	114	2

		<i>(1 mark for each correct definition) (1 mark for correct advantage)</i>				
Answer any 3 out of the given 6 questions (Question No 12 to 17) in 20 – 50 words each. (3x2=6)						
12	(a)	Concat(): Creates a new array by merging (concatenating) existing arrays. <p style="text-align: center;">Or</p> It is used to join/combine two or more array to form a new array. <i>(1 mark for correct answer)</i>	CBSE HANDBOOK	2	43	2
	(b)	Reverse() : Will change the original array by reversing the order of the elements in an array. <p style="text-align: center;">Or</p> Changing the order of elements in an array so that the last element becomes the first and first becomes the last. <i>(1 mark for correct answer)</i>				
13		When JavaScript encounters a return statement within a function, the function immediately terminates its execution. It then returns the specified value or variable back to the part of the code where the function is called. Example: <pre>function add(a, b) { return a + b; } var result = add(5, 3); document.write(result);</pre> <p style="text-align: center;">Or</p> (any other correct example may be considered) <i>(1 mark for correct role) (1 mark for correct example)</i>	CBSE HANDBOOK	2	32	2
14	(a)	Memory Management: The OS allocates and deallocates memory to processes and optimizes its usage. <p style="text-align: center;">Or</p> The Operating System manages the computer's Primary memory and provides mechanisms for optimizing memory uses. <i>(1 mark for correct explanation)</i>	CBSE HANDBOOK	1	5	2
	(b)	File Management: The OS handles the creation, deletion, organization, and access (or manipulation) of files and directories. <p style="text-align: center;">Or</p> Responsible for organising and managing the file system <i>(1 mark for correct explanation)</i>				

15	<p>The replace() method replaces only the first occurrence of a specified value (character/word) in a string. The replaceAll() method replaces all occurrences of a specified value (character/word) in a string.</p> <p>Example var text = "Hello World"; text.replace('o', 'a'); //Hella Word text.replaceAll('l', 'r'); //Herro Worrd</p> <p>(any other correct example may be considered)</p> <p>(1 mark for correct difference) (½ mark for each correct example)</p>	CBSE HANDBOOK	2	38	2
16	<p>Data security means protecting digital data from unauthorized access or misuse or disclosure.</p> <p>Security Measure:</p> <ul style="list-style-type: none"> • Use strong passwords • do privacy settings • install antivirus • enable 2FA • take backup • secure connection • ensure that you browse secure websites <p>(Any other correct measure may be considered)</p> <p>(1 mark for correct definition) (½ mark each for any two correct measure)</p>	CBSE HANDBOOK	4	116, 117	2
17	<p>A multi-user operating system is an operating system that allows multiple users to use the system simultaneously.</p> <p>Examples: Linux, Unix, macOS, Windows Server, and Ubuntu</p> <p>(1 mark for correct definition) (½ mark each for any two correct examples)</p>	CBSE HANDBOOK	1	7	2
Answer any 2 out of the given 3 questions (Question No 18 to 20) in 30 – 90 words each. (2x3=6)					
18	<p>Protect your privacy: Never share your personal information online including password, phone no., address etc.</p> <p>Do Not Connect with Stranger: Never connect with people you do not know in real life.</p> <p>Respect People's Privacy: Always ask for permission before you share their photos or videos and never post their personal information.</p> <p>Avoid Spamming: Do not send repeated texts to your friends several times. Allow them some time to respond.</p>	CBSE HANDBOOK	1	15	3

		Cyberbullying: Harassing or teasing other on social media should not be done as there are strict cyber law against it. <i>(Any other correct etiquette may be considered)</i> <i>(1 mark each for any three correct etiquette)</i>				
19		Event handlers in JavaScript are functions that are executed/called when an event occurs. <i>(1 mark for correct definition)</i>	CBSE HANDBOOK	2	52	3
	(a)	onmouseover : This event is triggered when the mouse pointer comes over an element. <i>(1 mark for correct purpose)</i>				
	(b)	onload : This event is triggered after the browser has finished loading the page. <i>(1 mark for correct purpose)</i>				
20	(a)	Magic Media: This feature is used to turn text into video or images. <i>(1 mark for correct role)</i>	CBSE HANDBOOK	3	89	3
	(b)	Magic Edit: This tool allows us to select a part of an image and then add to, replace, or edit it using a short-written prompt. <i>(1 mark for correct role)</i>				
	(c)	Magic Animate: This feature automatically applies animations and transitions to the entire design. <i>(1 mark for correct role)</i>				
Answer any 3 out of the given 5 questions (Question No 21 to 25) in 30 – 100 words each. (3x4=12)						
21		(According to CBSE Book) Red,Blue Red,Blue,Yellow Red&Blue&Yellow Blue,Yellow (According to HTML Editor) Green 3 Red&Blue&Yellow Blue,Yellow <i>(1 mark for each correct line of output)</i>	CBSE HANDBOOK	2	43	4
22		Splitting : Divides a video clip into two parts. Cutting: Deletes a selected section of the video Completely. Steps 1. Open the design 2. click 'Share' from the menu bar above the editor.	CBSE HANDBOOK	3	77, 83	4

		3. Enter the email in 'People with access' to allow others to view, comment, or edit the design and share the design. <i>(1 mark for correct difference)</i> <i>(1 mark for each correct step)</i>														
23	(a)	Direct Plagiarism: This involves directly copying someone else’s work without any modification or paraphrasing. <i>(1 mark for correct definition)</i>	CBSE HANDBOOK	4	119	4										
	(b)	Paraphrasing Plagiarism: This involves rephrasing someone else’s ideas or words while retaining the original meaning, without proper citation. <i>(1 mark for correct definition)</i>														
	(c)	Mosaic Plagiarism: This involves borrowing phrases, sentences, or paragraphs from a source and blending them seamlessly into one’s own writing without proper attribution. <i>(1 mark for correct definition)</i>														
		Website/Tools (Any two) <table border="1"><thead><tr><th>Website</th><th>Tools</th></tr></thead><tbody><tr><td>https://copyleaks.com</td><td>Copyleaks</td></tr><tr><td>https://www.quetext.com</td><td>Quetext</td></tr><tr><td>https://www.grammarly.com</td><td>Grammarly</td></tr><tr><td>https://www.duplichecker.com</td><td>Dupli Checker</td></tr><tr><td>https://quillbot.com</td><td>QuillBot Checker</td></tr><tr><td>https://www.scribbr.com</td><td>Scribber Checker</td></tr></tbody></table> (Any other related website/tools may be considered.) <i>(½ mark each for any two correct website/tool)</i>					Website	Tools	https://copyleaks.com	Copyleaks	https://www.quetext.com	Quetext	https://www.grammarly.com	Grammarly	https://www.duplichecker.com	Dupli Checker
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https://quillbot.com	QuillBot Checker															
https://www.scribbr.com	Scribber Checker															
24	(a)	Cyberstalking Information Technology (IT) Act 2000 <i>(1 mark for correct type)</i> <i>(1 mark for correct law)</i>	CBSE HANDBOOK	4	126 - 129	4										
	(b)	Ethical Hacking No, it will not be considered as cyber crime <i>(1 mark for correct type)</i> <i>(1 mark for correct answer)</i>														

25	<pre> var num1 = Math.floor (Math.random() * (100 – 10) + 10); var num2 = Math.floor (Math.random() * (100 – 10) + 10); var num3 = Math.floor (Math.random() * (100 – 10) + 10); document.write("Sum:" + (num1 + num2 + num3) + "
"); document.write("largest number:" + Math.max(num1, num2, num3) + "
"); document.write("Smallest number:" + Math.min(num1, num2, num3)); (1 mark for correct use of random function) (1 mark for display correct sum) (1 mark for display largest number) (1 mark for display smallest number) </pre>	CBSE HANDBOOK	2	51	4
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