

APOLLO

Programming Fundamentals

FBISE Computer Science Class 9 (SSC-I)

Domain C: Programming Fundamentals

82 questions | questions

Original FBISE question crops. National Curriculum 2022-23 topic.

FBISE model paper | Section A Q2 | 0.5 marks

2.	What is the primary purpose of HTML in web development?	To design the layout and structure of a webpage	To add dynamic behavior and interactivity to a webpage	To manage databases on a website	To control computer operations
----	---	---	--	----------------------------------	--------------------------------

FBISE model paper | Section A Q3 | 0.5 marks

3.	Which tag is used to create a hyperlink in HTML?		<a>	<p>	<div>
----	--	-------	-----	-----	-------

FBISE model paper | Section A Q4 | 0.5 marks

4.	Which symbol is commonly used to end statements in JavaScript?	Colon (:)	Period (.)	Semi colon (;)	Comma (,)
----	--	-----------	------------	----------------	-----------

FBISE model paper | Section A Q7 | 0.5 marks

7.	Which programming language is commonly used for web development	HTML	CSS	Java Script	Python
----	---	------	-----	-------------	--------

FBISE model paper | Section A Q15 | 0.5 marks

15.	A student creates a web page and wants to display a notification popup. Which JavaScript function will achieve this?	alert()	print()	show()	message()
-----	--	---------	---------	--------	-----------

FBISE model paper | Section A Q21 | 0.5 marks

21.	A developer wants to style a webpage by changing colors, fonts, and layout. Which language is used for this purpose?	CSS	HTML	ASP	Java script
-----	--	-----	------	-----	-------------

FBISE model paper | Section A Q28 | 0.5 marks

28.	What is the primary purpose of functions in JavaScript?	To store permanent data in the browser	To delete unwanted files from memory	To block advertisements on a webpage	To group reusable blocks of code for performing specific tasks
-----	---	--	--------------------------------------	--------------------------------------	--

FBISE model paper | Section A Q36 | 0.5 marks

36.	What is the primary purpose of JavaScript in web development?	To structure the content of a webpage	To style the appearance of a webpage	To make webpages interactive and dynamic	To design the layout of a webpage
-----	---	---------------------------------------	--------------------------------------	--	-----------------------------------

SCENARIO#1 (FOR QUESTIONS 41-44)		A student is creating a simple website to share school announcements, mainly showing fixed content. To enhance interactivity, the student includes features like pop-up messages on clicks and voice-based controls using speech recognition. During development, the system is divided into modules such as short of attendance and exams schedule, while only key details are considered to keep the design simple. The student uses suitable software tools to write and edit the website code.			
41.	Which software tool can edit website code?	chrome	Visual Studio	Cassandra	MongoDB

SCENARIO#2 (FOR QUESTIONS 45-48)		A student is developing a JavaScript program to store and display exam marks using an array. The program creates an array of marks and accesses different elements using their index positions. let marks = [35, 50, 75, 100, 65]; document.write(marks[1] + " "); document.write(marks[3] + " "); document.write(marks.length);			
45.	What will be printed when the code executes?	35, 75, 5	50, 100, 5	50, 75, 4	35, 100, 4

SCENARIO#2 (FOR QUESTIONS 45-48)		A student is developing a JavaScript program to store and display exam marks using an array. The program creates an array of marks and accesses different elements using their index positions. let marks = [35, 50, 75, 100, 65]; document.write(marks[1] + " "); document.write(marks[3] + " "); document.write(marks.length);			
46.	Which JavaScript statement correctly adds the value 110 to the end of an array named marks?	marks.add(110)	marks.push(110)	marks.insert(110)	marks.append(110)

SCENARIO#2 (FOR QUESTIONS 45-48)		A student is developing a JavaScript program to store and display exam marks using an array. The program creates an array of marks and accesses different elements using their index positions. let marks = [35, 50, 75, 100, 65]; document.write(marks[1] + " "); document.write(marks[3] + " "); document.write(marks.length);			
47.	What does "marks.length" return in a JavaScript array?	Number of indexes starting from 0	Total number of elements in the array	Last index value of the array	Memory size of the array

SCENARIO#2 (FOR QUESTIONS 45-48)		A student is developing a JavaScript program to store and display exam marks using an array. The program creates an array of marks and accesses different elements using their index positions. let marks = [35, 50, 75, 100, 65]; document.write(marks[1] + "
"); document.write(marks[3] + "
"); document.write(marks.length);			
48.	Which JavaScript statement correctly calculates and displays the sum of the second and fourth elements of an array named marks?	document.write(marks[1] + marks[3]);	document.write(marks[2] + marks[4]);	document.write(marks.sum(1, 3));	document.write(marks.sum(2, 4));

6.	Identify and correct errors in the following JavaScript code: let fruits = ["Apple", "Banana", "Orange"]; console.log(fruits.length) console.log(fruit.length);	3
----	--	---

8.	Create a result sheet using HTML that can display the following data in table format.	6
----	---	---

Roll No	Student Name	Math	English	Computer Science	Total Marks	Percentage
1	Ali Ahmed	78	85	90	253	84.3%
2	Sara Khan	88	79	92	259	86.3%
3	Usman Ali	65	72	70	207	69.0%
4	Ayesha Noor	90	88	95	273	91.0%
5	Hamza Raza	55	60	68	183	61.0%

5.	The tag used to define a hyperlink in HTML:	<a>	<p>	<i>	<u>
----	---	-----	-----	-----	-----

9.	Which of the following datatype does JavaScript use to represent true or false values?	String	Number	List	Boolean
----	--	--------	--------	------	---------

OR	Rewrite the following Java Script code after removing the errors. <pre><script type="text\javascript"> Document.writ(Welcome"); <\script></pre>	02
----	--	----

(iv)	Correct any four errors in the given code of HTML. <pre><html> </head></title>Main Page<title> </head> </body> <p> Introduction about the page<\p> </body> <html></pre>	02
------	--	----

HTML کے دیئے گئے کوڈ میں کوئی بھی چار غلطیوں کو درست کریں۔

OR	What will be the output of following JavaScript code? <pre>var age=5; if (age>3) { document.write("Admission granted"); } else { document.write("Admission not granted"); }</pre>	02
----	---	----

OR	Write down any two differences between static website and dynamic website.	02
----	--	----

(xi)	What is the value of x after the following code is executed in JavaScript? <pre>var x=5; var y=10; x=y-3;</pre>	02
------	--	----

OR	Write an HTML code using the following tags: <pre><p> <i> <u> </pre>	05
----	---	----

ایک HTML کوڈ لکھیں جو درج شدہ ٹیگز کو استعمال کرتا ہو:

OR	Write a JavaScript program to display the numbers from 1 to 10. 1 سے 10 تک کے نمبروں کو ظاہر کرنے کے لیے جاوا اسکریپٹ پروگرام لکھیں۔	05
----	---	----

5.	The tag used to define a hyperlink in HTML:	<p>	<a>	<i>	<u>
----	---	-----	-----	-----	-----

ایک ہائپر لنک HTML میں ایسے ٹیگ کا نام لکھیں جو اس کے لیے استعمال ہوتا ہے؟

6. The keyword used to declare variables in JavaScript:	dim	const	var	variable
---	-----	-------	-----	----------

9. Which of the following is not a valid JavaScript data type?	Long	String	Number	Boolean
---	------	--------	--------	---------

6. Which HTML tag is used for the main heading?	<p>	<h1>	<title>	<heading>
---	-----	------	---------	-----------

7. What is the purpose of CSS in web development?	Structure content	Add interactivity	Style the web page	Store data
---	-------------------	-------------------	--------------------	------------

8. Which JavaScript keyword declares a variable?	var	define	variable	input
--	-----	--------	----------	-------

(iii)	What are input devices. Give two examples.	02	OR	What is the output of following code, <pre><script language = "javascript"> document. write("Computer Science!") </script></pre>	02
-------	--	----	----	---	----

(ix)	Write a JavaScript statement to declare and initialize a variable.	02
------	--	----

(v)	Write down the difference between data bus and address bus. (Any two points)	02	OR	What is the purpose of following tags: , <u>	02
-----	--	----	----	---	----

(vii)	List down any two phases of design thinking.	02	OR	Differentiate between static and dynamic websites. (Any two points)	02
-------	--	----	----	---	----

Second Annual 2025 | Section B Q2(viii) OR | 2 marks

(viii) Write down any two features of first generation of computer. پہلی جہن کے کمپیوٹر کے کوئی دو خصوصیات لکھیں۔	02	OR Correct any four errors in the given HTML code: دیئے گئے HTML کوڈ میں کوئی چار غلطیوں کی درستی کریں۔ <pre><html> <head><title> main page<title></head> <body> </p>Introduction of computer <p> <body> <html></pre>	02
(ix) Write a JavaScript statement to declare and initialize		Briefly explain the concept of Max	

Second Annual 2025 | Section B Q2(x) | 2 marks

(x) What is the purpose of operators in JavaScript? آپریٹرز کا مقصد کیا ہے؟	02
---	----

Second Annual 2025 | Section B Q2(xi) | 2 marks

(xi) Why is debugging important in programming? ڈیباگنگ کیوں اہم ہے؟	02
--	----

Second Annual 2025 | Section C Q4 | 5 marks

Q.4 Write an HTML code to create a webpage with heading paragraph and link. ایک ویب پیج بنانے کے لیے HTML کوڈ لکھیں جس میں ہیڈنگ، پاراگراف اور لنک شامل ہو۔	05
---	----

Second Annual 2025 | Section C Q5 | 5 marks

Q.5 Write a JavaScript program that prints numbers from 10 to 1. ایک JavaScript پروگرام لکھیں جو 10 سے 1 تک کے نمبرز پرنٹ کرے۔	05
--	----

First Annual 2026 | Section A Q3 | 1 mark

3. Why is HTML used when creating a website?	To style web pages	To store data	To display text and images	To run programs	
4. Which part of development handles the user interface of a website?	Back end	Server side	Database layer	Front end	

First Annual 2026 | Section A Q4 | 1 mark

4. Which part of development handles the user interface of a website?	Back end	Server side	Database layer	Front end	
---	----------	-------------	----------------	-----------	--

First Annual 2026 | Section A Q5 | 1 mark

Why are variables used in JavaScript?	To store values that can change	To design web pages	To create hyperlinks	To format text	
---------------------------------------	---------------------------------	---------------------	----------------------	----------------	--

First Annual 2026 | Section B Q2(ii) OR | 3 marks

How CSS improves the appearance of a web page? Give an example.	2+1
--	-----

Correct any three errors in the given code of HTML. </html> </head><title>Main page<title> <head> </body> </u>Introduction to Computer </u> <body> <html>	1x3
--	-----

OR	Write down HTML code to apply headings from h1 to h6.	03
----	---	----

(viii)	Why are variables used in Javascript programs? Explain briefly. Give one example.	2+1
--------	---	-----

OR	Write down a Javascript code to define two variables and calculate their sum. Also display the result.	06
----	--	----

	Input	Step 1/Reason	Output	Meaning	
3.	What does the DOM tree represent in an HTML document?	Program logic, steps and results	Visual design only	Structure of web page elements	Server configuration strategy

Which aspect of CSS can be changed using JavaScript?	Page content	HTML structure	Database records	Font size and color	☐	☐	☐	☐
--	--------------	----------------	------------------	---------------------	-----------------------	-----------------------	-----------------------	-----------------------

	Differentiate between a static and a dynamic website.	1.5 +1.5
--	---	-------------

Correct any three errors in the given HTML code: </html><head> </title>Heading</title> <head> <body> </h/>Welcome to My Website</h/> <body> <html>	03
---	----

1.5 + 1.5	OR	Write down HTML code to display ordered list as follows: <u>Memory</u> 1. RAM 2. ROM	1+1 +1
-----------------	----	--	-----------

(viii)	Briefly explain the importance of data types in JavaScript. Give one example.	2+1
--------	---	-----

Write down a JavaScript code to display numbers from 0 to 9.	06
--	----

7. Why are hyperlinks important in HTML documents?	They connect one page to another	They change page style	They store images	They run scripts
--	----------------------------------	------------------------	-------------------	------------------

8. Web development is mainly concerned with:	Computer hardware	Managing networks	Installing software	Creating websites and web applications
--	-------------------	-------------------	---------------------	--

9. Why are arrays useful in JavaScript?	To store one value only	To store multiple values in a single variable	To change page style and color	To link web pages
---	-------------------------	---	--------------------------------	-------------------

Write down the output of the following Javascript code: <pre><script type= "text / javascript"> var a, b, reward; reward = 5555; a= reward %10; b= reward / 10; document.write (a, "", b); </script></pre>	03	OR	Why is packet switching efficient for data transmission? Explain briefly.	03
--	----	----	---	----

Briefly explain the role of front-end development in a web project.	03
---	----

Give one use of hyperlinks in HTML documents. Also write down the syntax for defining a link.

1+2

Write HTML code to display unordered list as follows:

Software

1. System Software
2. Application Software

Write down the Javascript code to display numbers from 10 to 1.

06

i.	Which of the following keyword is used to declare variables in JavaScript?	dim	Var	Let	const	☐ ☐ ☐ ☐
----	--	-----	-----	-----	-------	---

iii.	Which HTML tag is used to create a hyperlink?	<link>	<href>	<hyperlink>	<a>	☐ ☐ ☐ ☐
------	---	--------	--------	-------------	-----	---

vi.	How do you write "Hello, World!" in an alert box using JavaScript?	msgBox ("Hello, World!");	alertBox ("Hello, World!");	alert("Hello, World!");	Msg ("Hello, World!");	☐ ☐ ☐ ☐
-----	--	---------------------------	-----------------------------	-------------------------	------------------------	---

OR Write down HTML tags to display 'Software' as a main heading and make an ordered list as follows:

1. System Software
2. Application Software

03

vi.	What will be the output of the following HTML code? <pre><html> <head> <title>Output Question </title> <style> .text { font-size: 20px; color: red; } </style></pre>	03
-----	---	----

OR	<pre>let a = 10; let b = "5"; console.log(a + b); console.log(a - b);</pre> Predict the output of the above JavaScript code. Also explain why the values of both statements are different in terms of JavaScript data types.	03
----	---	----

OR	Write a JavaScript function called 'CalculateGrade' that takes marks of a student as input and returns grade based on the following grading system: A if marks are greater than or equal to 90, B if marks are between 70 and 89, C if marks are between 50 and 69, and F if marks are below 50.	6
----	--	---

Rewrite the following Java Script code after removing the errors. غلطیوں کو دور کرنے کے بعد درج شدہ جاوا اسکریپٹ کوڈ کو دوبارہ لکھیں۔ <pre><script type=text\javascript> document.w("Hello world") <\script></pre> Correct any four errors in the given code of HTML	02
---	----

Correct any four errors in the given code of HTML. HTML کے دیے گئے کوڈ میں کوئی بھی چار غلطیوں کو درست کریں۔ <pre><html> </head></title>Main Page<title> </head> </body> <h2>Main heading </h1> <body/> <html></pre> Write down any two differences between actual	02
---	----

First Annual 2025 | Section B Q2(ix) OR | 2 marks

What will be the output of following JavaScript code? <pre>var marks=45 if (marks >40) { document.write("You have Passed"); } else { document.write("You have Failed"); }</pre>	02
---	----

First Annual 2025 | Section B Q2(v) OR | 2 marks

Write down any two differences between Number data type and Boolean data type in JavaScript.	02
--	----

First Annual 2025 | Section B Q2(xi) | 2 marks

What is the value of y after the following code is executed in JavaScript? <pre>var y = 10; var z = y+10; y=z-5;</pre>	02
---	----

First Annual 2025 | Section C Q4 OR | 5 marks

Write an HTML code using the following tags: <p> <i> <u> 	05
---	----

First Annual 2025 | Section C Q5 | 5 marks

Write JavaScript program to display the numbers from 1 to 20.	05
---	----

First Annual 2026 | Section B Q2(iv) OR | 2 marks

OR	State two differences between a static website and a dynamic website. Static Website اور Dynamic Website میں دو فرق بیان کریں۔	02
----	--	----

First Annual 2026 | Section B Q2(iv) | 2 marks

(iv)	How does back-end development support a web application? Average اور اوسط	02
------	---	----

First Annual 2026 | Section B Q2(v) OR | 2 marks

OR	Write a HTML code to produce the following table: درج شدہ ٹیبل بنانے کے لیے HTML کوڈ تحریر کریں۔ <table border="1"> <thead> <tr> <th>R.No.</th><th>Name</th><th>Marks</th></tr> </thead> <tbody> <tr> <td>1</td><td>Amna</td><td>750</td></tr> <tr> <td>2</td><td>Nasir</td><td>800</td></tr> <tr> <td>3</td><td>Zubia</td><td>900</td></tr> </tbody> </table>	R.No.	Name	Marks	1	Amna	750	2	Nasir	800	3	Zubia	900	02
R.No.	Name	Marks												
1	Amna	750												
2	Nasir	800												
3	Zubia	900												

(v)	Produce the output of the following JavaScript code: <pre> let sum=0; for let i=1; i<=3; i++) { sum=sum+i; } document.write(sum); </pre>	02
-----	--	----

	Write a JavaScript code to enter a number and find whether it is even or odd. JavaScript کوڈ تحریر کریں جو ایک عدد لے اور معلوم کرے کہ وہ جفت ہے یا طاق۔	02
--	---	----

OR	Explain the structure of an HTML document and describe the role of the Document Object Model (DOM). HTML دستاویز کی ساخت بیان کریں اور ڈاکومنٹ آبجیکٹ ماڈل (DOM) کے کردار کی	3+2
----	---	-----