

Chapter 03 – Computer Science (Class 10)

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MCQs

1. Which of the following is primarily associated with front-end development?

- a) Server management
- b) Database design
- c) User interface and design**
- d) Memory handling

Explanation:

Front-end development ka matlab hota hai **wo part jo user ko dikhayi deta hai**, jaise buttons, colors, layout, design, etc. Ye sab **User Interface (UI)** ka part hota hai. Baaki options backend se related hain.

2. Which of the following HTML attributes is required in the <input> element for email?

- a) type="text"
- b) type="password"
- c) type="email"**
- d) type="url"

 Explanation:

Jab aap email input lena chahtay hain form mein, toh type="email" use karte hain, taake browser verify kare ke user ne **valid email** likha hai ya nahi.

3. In JavaScript, which method would you use to add a new item to the end of a list?

- a) push()**
- b) add()
- c) leftshift()
- d) rightshift()

Explanation:

JavaScript mein push() method array ke **end mein new item add karta hai**. Ye commonly list update karne ke liye use hota hai. Baaki methods ya toh exist nahi karte ya incorrect hain.

4. In JavaScript, how do you access the third element in an array called myArray?

- a) myArray[1]
- b) myArray[2]**
- c) myArray[3]
- d) myArray[0]

 Explanation:

JavaScript arrays **0 se start hote hain**, is liye third element myArray[2] se milega.

Index 0 = 1st element

Index 1 = 2nd element

Index 2 = 3rd element

5. To manually stop JavaScript code execution at a certain point, you can use:

a) console.log()

b) stop

c) break

d) debugger

Explanation:

debugger ek special JS keyword hai jo browser mein code execution **pause kar deta hai** debugging ke liye. Baaki options debugging ke liye use nahi hote.

6. What is the primary purpose of unit tests?

a) To validate syntax

b) To test individual parts of the code for correctness

c) To test website styling

d) To prepare code for deployment

Explanation:

Unit testing mein hum **chhoti chhoti code parts** jaise functions test karte hain taake ye confirm ho ke wo theek kaam kar rahe hain. Syntax check ya styling se iska lena dena nahi.

7. Front-end development is also called _____.

a) Server-side

b) Client-side

c) Label

d) Database

Explanation:

Front-end ka code **client ke browser mein run hota hai**, is liye ise client-side kehte hain. Server-side backend hota hai.

8. Table is an easy way to organize information in _____.

a) columns

b) webpages

c) lists

d) trees

Explanation:

Table mein hum data **rows aur columns** mein organize karte hain. Yahan columns mention kiye gaye hain jahan har column ek data field dikhata hai.

9. Table's header cell and content is referred in _____ tag.

- a) **<th>**
- b) <td>
- c) <caption>
- d) <tr>

Explanation:

<th> ka use hum table ke **heading cells** ke liye karte hain. <td> normal data cell ke liye hota hai. <caption> table ka title hota hai.

10. Link between the borders of neighboring table cell is determined by _____.

- a) border
- b) **border-collapse**
- c) border-separate
- d) border-merge

Explanation:

border-collapse CSS property determine karti hai ke **adjacent cells ka border milaayein ya alag rakhain**. Iska default value separate hoti hai, collapse use karne se borders merge ho jate hain.

11. Distance between the cell's border and its content is called _____.

- a) Cell
- b) Output
- c) **Padding**
- d) Style

Explanation:

Padding hoti hai wo **space jo content aur border ke darmiyan hoti hai** kisi bhi element mein. CSS mein padding control karta hai yeh distance.

12. An element style during animation is specified by _____.

- a) **key frame**
- b) @style frame
- c) @highlighted frame
- d) @anchor frame

Explanation:

CSS animations mein @keyframes ka use hota hai jismein aap define karte hain ke **animation ke kis stage par kya style apply hoga.**

13. A single table cell is indicated by a _____ tag.

- a) <tr>
- b) <th>
- c) <td>**
- d) <tfc>

Explanation:

<td> ka use table ke **normal data cells** ke liye hota hai. <tr> row ke liye aur <th> heading ke liye hota hai. <tfc> invalid tag hai.

14. Arrays and list can contain data types containing _____.

- a) Alphabets
- b) Numbers
- c) Alphanumeric**
- d) Checkbox

Explanation:

Arrays/list mein hum **numbers aur alphabets dono types ka data store** kar sakte hain, is liye unhein alphanumeric kaha jata hai.

15. ADT stands for _____.

- a) Abstract Data Type**
- b) Any Data Type
- c) Actual Data Type
- d) Document Type

Explanation:

ADT ka matlab hota hai **Abstract Data Type**, jo ke ek logical concept hai data structures ko define karne ka, jaise Stack, Queue, etc.

The End

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