**Chapter-5**

5.1 The elements in a web page are represented by a(n) **\_\_\_\_\_\_\_\_**.

a) object hierarchy

b) parent tree

c) dynamic HTML

d) DOM property

Ans: a

5.2 An HTML5 element inside another element is a \_\_\_\_\_\_\_\_ of the containing element.

a) parent

b) child

c) instance

d) sub-element

Ans: b

5.3 Function getElementById returns a(n)\_\_\_\_\_\_\_\_.

a) boolean

b) string

c) id attribute

d) object

Ans: d

5.4 In the statement node1.replaceChild( node2, node3 ) , \_\_\_\_\_\_\_\_ replaces \_\_\_\_\_\_\_\_.

a) node3, node1

b) node1, node3

c) node2, node3

d) node3, node2

Ans: c

5.5 Which of the following is not a DOM collection?

a) roots

b) anchors

c) links

d) forms

Ans: a

5.6 The fifth link on a page can be accessed using

a) links.item(4)

b) links[4]

c) either a or b

d) neither a nor b

Ans: c

5.7 Which of the following is the proper way to dynamically access the background color?

a) document.body.style.BackgroundColor

b) document.body.attributes.BackgroundColor

c) document.body.style.backgroundColor

d) document.body.style.background-color

Ans: c

5.8 What is the significance of the second function argument in the following line?

window.setInterval( "run()", 100 );

a) The value sets how many times to call the function specified in the first argument.

b) The value sets how long the function is run for.

c) The value sets how often to run the function.

d) The value sets the time to wait before calling the function once.

Ans: c

5.9 Which of these is the method of the window object that stops repetitive calls to a method?

a) clearTimer

b) stopTimer

c) stopInterval

d) clearInterval

Ans: d

5.10 The \_\_\_\_\_\_\_\_ model of registering event handlers requires adding parentheses at the end of the function name and surrounding it in quotes.

a) inline

b) traditional

c) div

d) click

ANS: a

5.11 The \_\_\_\_\_\_\_\_ model of registering event handlers involves passing a function object to be invoked when the event fires.

a) inline

b) traditional

c) div

d) click

ANS: b

5.12 What does the following script do?

<!--

var value = 0;

function startTimer()

{

window.setInterval( "updateTime()", 1000 );

}

function updateTime()

{

value++;

pText.innerText = value;

}

//-->

a) It counts the number of seconds elapsed while loading the page.

b) It counts the number of milliseconds elapsed while loading the page.

c) It counts the number of seconds elapsed viewing the page.

d) It counts the number of milliseconds elapsed while viewing the page.

ANS: c

5.13 When the browser calls an event-handling function, it passes a(n) \_\_\_\_\_\_\_\_ to the function.

a) load event

b) window object

c) event object

d) None of the above.

ANS: c

5.14 Event \_\_\_\_\_\_\_\_ fires whenever a mouse cursor moves into an element.

a) mousedrag

b) mouseover

c) mouseout

d) all of these

ANS: b

5.15 The focus event fires when \_\_\_\_\_\_\_\_.

a) an element is loaded from the document

b) an image is loaded into the document

c) an element is clicked or selected using the tab key

d) an image is downloaded

ANS: c

5.16 The blur event is associated with \_\_\_\_\_\_\_\_.

a) data transfer within the document

b) a decrease in image resolution

c) background effects

d) an element losing focus

ANS: d

5.17 An anonymous function \_\_\_\_\_\_\_\_.

a) has no identifier after the keyword function.

b) is registered as an event handler at the same time it is created.

c) Neither (a) nor (b)

d) Both (a) and (b)

ANS: d

5.18 Which if the following statements about the form’s submit and reset events is **false**?

a) By returning either true or false, the event handlers dictate whether the default action for the event is taken.

b) Other default actions, such as following a hyperlink, can be prevented by returning false from a click event handler on the link.

c) If an event handler returns false or does not return a value, the default action is taken once the event handler finishes executing.

d) Both (b) and (c)

ANS: c If an event handler returns true or does not return a value, the default action is taken once the event handler finishes executing.

5.19 Event bubbling is \_\_\_\_\_\_\_.

a) the process of child elements passing events to their parent elements

b) the process of sorting elements which contain events that have fired

c) the process of sorting events which have fired

d) the process of parent elements passing events to their children

ANS: a