

MCQ on XML:Unit-1

1 .XML stands for:

- A. eXtra Marking Language
- B. Example Markup Language
- C. eXtensible Markup Language
- D. X-Markup Language

Ans: C eXtensible Markup Language

2. Which of the statements about XML is correct?

- A. All XML elements must be lower case
- B. All XML documents must have a DTD
- C. All XML elements must have a closing tag
- D. All Above

Ans: C All XML elements must have a closing tag

3. Which statement is true about XML?

- A. All XML elements must be properly closed
- B. All XML elements must be lower case
- C. XML elements cannot be empty
- D. All given

Ans: A All XML elements must be properly closed

4. True or false. All XML elements must have a closing tag.

- A. True
- B. false

Ans: A. True

5. What is correct syntax of defining the XML version?

- A. <xml version="version_no" />
- B. <?xml version=" version_no " />

C. <?xml version=" version_no" ?>

D. None of the above

Ans: C <?xml version=" version_no" ?>

6. What is the correct syntax of the declaration which defines the XML version? OR The correct XML tag is:

A. <?xml version="1.0"?>

B. <xml version="1.0" />

C. <?xml version="1.0" />

D. <xml version="1.0" ?>

Ans: A. <?xml version="1.0"?>

7. How do you add a comment to an XML document?

A. <?-- -->

B. <!-- --!>

C. <!-- -->

D. </-- -->

Ans: C <!-- -->

8. _____ is a case-sensitive language whereas _____ is not a case sensitive language.

A. HTML, XML

B. XML, HTML

Ans: B

9. Which of the following XML is correct?

A. <Element Attribute="some_Value"/>

B. <Element Attribute=some_Value />

C. <Element Attribute='some_Value' />

D. <Element Attribute="some_Value' />

Ans: A <Element Attribute="some_Value"/>

10. Which of the following XML fragments are well-formed?

- A. <myElement myAttribute="some_Value"/>
- B. <myElement myAttribute=some_Value />
- C. <myElement myAttribute='some_Value' />
- D. <myElement myAttribute="some_Value' />

Ans: A

11. Attributes of XML element can have multiple values:

- A. True
- B. False

Ans: B

12. XML tags are Case Sensitive:

- A. True
- B. False

Ans: A True

13. XML tags are Case in-Sensitive:

- A. True
- B. False

Ans: B. false

14. XML is a ____ language.

- A.** Case sensitive
- B.** Case insensitive
- C.** Both A and B
- D.** None

Ans: **A.** Case sensitive

15. How to add the attribute named *price* to the <book> tag?

- A. <book attribute price ="100">
- B. <book price attribute ="100">
- C. <book price attribute_type="100">
- D. <book price ="100" >

Ans: D <book price ="100" >

16. Select best option: XML document is Well formed if _____.

- A. It contain an comment
- B. It contains a root element
- C. It contains one or more elements
- D. Must contain one or more elements and root element must contain all other elements

Ans D

17. XML elements cannot be empty.

- A. True
- B. False

Ans: B. False

18. XML elements can be empty.

- A. true B. false

Ans: A. true

19. XML attribute values must always be enclosed in quotes.

- A. true
- B. false

Ans: A. true

20. Is following a "well formed" XML document?

```
<?xml version="1.0"?>
<book>
  <title>advanced web technology part-2</ title >
  <author> abc </author >
```

</book>

A. yes

B. no

Ans: A. yes

21. Which is not a correct name for an XML element?

A. <book name>

B. <Age>

C. <NAME>

D. <book_name>

Ans: A. <book name>

22. Which is a correct name for an XML element?

A. <xmldoc>

B. <xmldocument>

C. <5no>

D. <book>

Ans: D. <book>

23. Which statement(s) is(are) true about XML attributes?

1). Attributes must always be present

2). Attributes must in pre-defined order

A. only 1 is true

B only 2 is true

C. Both are true

D. Both are false

Ans: D. Both are false

24. Which is a Correct XML element Name?

A. #Element

B. 7Element

C. _Element

D. None

Ans: C. _Element

25 XML Element names cannot be start with "xml".

A. true B. false

Ans: A. true

26 Comments can't be placed inside XML tags.

A. true B. false

Ans: A. true

27 XML Element names cannot be start with

A. xml

B. Number

C. punctuation character

D. All

Ans: D. All

28. Which Language Is Case Sensitive?

A. XML

B. HTML

C. Both A & B

D. None

Ans: A. XML

29. XML is designed to _____ and store data.

A. Design

B. HTML

C. Transport

D. All above

Ans: C. Transport

30. Each XML document must have:

A. Closing tag

B. Root element

C. Nested child

D. Both A and B

Ans: **D.** Both A and B

31) XML has _____ tags.

A. predefined

B. custom

C. Both A and B

D. None of the above

Ans: **B.** custom

32. XML Element names cannot contain _____

A. spaces

B. underscore

C. Both A and B

D. none

Ans: **A. spaces**

33. XML is a _____.

A. programming language

B. Markup language

C. scripting language

D. None of the above

Ans: **B. Markup language**

34. XML was developed by the _____ organization?

A. World Wide Web

B. World Wide Web Consortium (W3C)

C. W3Schools

D. Oracle

Ans: **B World Wide Web Consortium (W3C)**

35. Identify the data (information) exchange standard formats.

A. JSON

B. HTML

C. XML

D. Both JSON and XML

Ans: **D Both JSON and XML**

36. The XML document must have an XML declaration also known as document prolog section.

A. True

B. False

Ans: **B . False**

37. Which of the following is a valid statement for adding XML element?

A. <booklist> </bookList>

B. <bookList> </Booklist>

C. <bookList> </bookList>

D. <bookList> </booklist>

Ans: **C <bookList> </bookList>**

38. Which among the following is an invalid XML tag?

A. <Subject>

B. <movie>

C. <1stRank>

D. <Product>

Ans: **C <1stRank>**

39. An XML document can have more than one root element.

A. True

B. False

Ans: B

40. Every XML document must have a root element.

A. True

B. False

Ans: A

41. Identify the incorrect XML statement.

A. `<friend nickname="Sanu">Saniya</friend>`

B. `<friend nickname="Sanu" contact="9898124578">Saniya</friend>`

C. `<friend nickname="Sanu" contact="9898124578" contact="7845128956">Saniya</friend>`

D. `<friend nickname="Sanu" contact="9898124578" email="saniya@gmail.com">Saniya</friend>`

Ans: C

42. Which statement(s) is(are) true about XML declaration?

(i) It must be the first line

(ii) It must contain encoding parameter

(iii) It must contain version parameter

A. Only (i) is true

B. Both (i) and (ii) are true

C. Both (i) and (iii) are true

D. All are true

Ans: C

43. What is the correct order of including parameters in XML declaration?

A. encoding, standalone, version

B. version, encoding, standalone

C. standalone, version, encoding

D. encoding, version, standalone

Ans: B

44. Is XML a programming Language?

A. Yes

B. No

Ans: B

Unit - 2 jQuery

1. jQuery is a _____.

- A. JavaScript Library
- B. JSON Library
- C. Java Library
- D. JSON and CSS Library

2. To work with jQuery, you should have the basic knowledge of these topics?

- A. HTML
- B. CSS
- C. JavaScript
- D. All of the above

3. Who developed jQuery?

- A. John Richard
- B. John Resig
- C. John Carter
- D. John Alexander

4. In which year jQuery was initial released?

- A. 2004
- B. 2005
- C. 2006
- D. 2007

5. Is jQuery case-sensitive?

- A. Yes
- B. No

6. Which feature(s) jQuery contains?

- A. HTML/DOM manipulation
- B. CSS manipulation
- C. AJAX
- D. All of the above

7. Which sign is used to define/access jQuery?

- A. \$
- B. .
- C. &
- D. #

8. Which jQuery is used to hide the current element?

- A. \$(this).hideelement()
- B. \$(this).hide('true')
- C. \$(this).hide(0)
- D. \$(this).hide()

9. Which is the correct jQuery statement to hide all <div> elements?

- A. `$("div").hide()`
- B. `$(div).hide()`
- C. `$(".div").hide()`
- D. `$("#div").hide()`

10. Which is the correct jQuery statement to hide all elements having class name "new"?

- A. `$("new").hide()`
- B. `$(new).hide()`
- C. `$(".new").hide()`
- D. `$("#new").hide()`

11. Which is the correct jQuery statement to hide all elements having id name "new"?

- A. `$("new").hide()`
- B. `$(new).hide()`
- C. `$(".new").hide()`
- D. `$("#new").hide()`

12. What is the use of jQuery Selectors?

- A. jQuery selectors are used to select and manipulate HTML element(s).
- B. jQuery selectors are used to import the HTML elements from the other file.
- C. jQuery selectors are used to select and manipulate JSON elements(s).
- D. jQuery selectors are used to select and manipulate ReactJS classes.

13. Which is the correct jQuery selector statement to select all <div> elements?

- A. `$(".div")`
- B. `$("#div")`
- C. `$("div")`
- D. `$("<div>")`

14. Which sign is used for class selector?

- A. `$class`
- B. `.class`
- C. `#class`
- D. None

15. Which sign is used for id selector?

- A. `$id`
- B. `.id`
- C. `#id`
- D. None

16. Why #id selectors are used for?

- A. To select all elements having the id
- B. To select all elements without having the id
- C. To select all elements having the id within a specified <div>
- D. To select all elements having the id within a specified section.

17. Which is the correct jQuery selector to select all elements?

- A. `$("all")`
- B. `$("*.*")`
- C. **`$("*")`**
- D. `$("****")`

18. Which is the correct jQuery selector to select current HTML element?

- A. **`$(this)`**
- B. `$(cur)`
- C. `$(.this)`
- D. `$(#this)`

19. Which is the correct jQuery selector to select all <div> elements with class name "new"?

- A. `$(".new")`
- B. **`$("div.new")`**
- C. `$(".div.new")`
- D. `$(".div#new")`

20. Which is the correct jQuery selector to select the first HTML element?

- A. `$("element_name.first")`
- B. `$("element_name#first")`
- C. `$("element_name::first")`
- D. **`$("element_name:first")`**

21. Which is the correct jQuery selector to select the first <div> of the HTML document?

- A. `$("div.first")`
- B. `$("div#first")`
- C. `$("div::first")`
- D. **`$("div:first")`**

22. Which is the correct jQuery selector to select the first list item of element?

- A. **`$("ul li:first")`**
- B. `$("ul:first")`
- C. `$("li:first")`
- D. `$("ul.li:first")`

23. Which is the correct jQuery selector to select the first list item of every element?

- A. **`$("ul li:first-child")`**
- B. `$("ul li:first.*")`
- C. `$("li:first-child")`
- D. `$("ul:first-child")`

24. Which is the correct jQuery selector to select all elements having "href" attribute?

- A. `$("a.[href]")`
- B. `$("a:[href]")`
- C. `$("[href].*")`
- D. **`$("[href]")`**

25. Which is the correct jQuery selector to select all <button> elements and <input> elements with type="button"?

- A. \$(".button")
- B. \$(":button")
- C. \$("button","input type='button'")
- D. \$(":button,input")

26. Which is the correct jQuery selector to select all even table rows?

- A. \$("tr::even")
- B. \$("tr.even")
- C. \$("tr:even")
- D. \$("tr:#even")

27. Which is the correct jQuery selector to select all odd table rows?

- A. \$("tr::odd")
- B. \$("tr.odd")
- C. \$("tr:odd")
- D. \$("tr:#odd")

28. Which method is used to attach an event handler function to an HTML element on mouse click?

- A. click()
- B. Click()
- C. dbclick()
- D. DbClick()

29. Which method is used to attach an event handler function to an HTML element on mouse double click?

- A. click()
- B. Click()
- C. dbclick()
- D. DbClick()

30. Which method is used to attach an event handler function to an HTML element when the mouse pointer enters the HTML element?

- A. mouseover()
- B. mousevisit()
- C. mouse-enter()
- D. mouseenter()

31. Which method is used to attach an event handler function to an HTML element when the mouse pointer leaves the HTML element?

- A. mouseLeave()
- B. mouseleave()
- C. mouse-leave()
- D. mouseexit()

32. Which method is used to attach an event handler function to an HTML element when the left, middle or right mouse button is pressed down, while the mouse is over the HTML element?

- A. **mousedown()**
- B. mouseover()
- C. mousepress()
- D. mousekey()

33. Which method is used to attach an event handler function to an HTML element when the left, middle or right mouse button is released, while the mouse is over the HTML element?

- A. **mouseup()**
- B. mouseover()
- C. mouseabove()
- D. mousekey()

34. Which method is used to attach an event handler function to an HTML element when the mouse moves over the HTML elements?

- A. mousemove()
- B. mouseover()
- C. **hover()**
- D. mousehover()

35. Which method is used to attach an event handler function to an HTML element when the form field gets focus?

- A. focused()
- B. focuses()
- C. focuselement()
- D. **focus()**

36. Which method is used to attach an event handler function to an HTML element when the form field loses focus?

- A. **blur()**
- B. leave()
- C. focusleave()
- D. leavefocus()

37. Which method is used to attach one or more event handlers for the selected elements?

- A. at()
- B. atelements()
- C. **on()**
- D. focuson()

38. What is the use of jQuery method toggle()?

- A. **To hide shown elements and to show hidden elements**
- B. To remove current element
- C. To shift current element at the previous position
- D. All of the above

39. Which jQuery method is used to fade in a hidden element?

- A. **fade()**

- B. fadeIn()**
- C. fadeOut()
- D. fadeToggle()

40. What is the syntax of jQuery fadeIn() method?

- A. \$(selector).fadeIn();
- B. \$(selector).fadeIn(callback, speed);
- C. \$(selector).fadeIn(callback);
- D. \$(selector).fadeIn(speed, callback);**

41. Which jQuery method is used to fade out a visible element?

- A. fadeout()
- B. fadeIn()
- C. fadeOut()**
- D. fadeToggle()

42. What is the syntax of jQuery fadeOut() method?

- A. \$(selector).fadeOut();
- B. \$(selector).fadeOut(callback, speed);
- C. \$(selector).fadeOut(callback);
- D. \$(selector).fadeOut(speed, callback);**

43. Which jQuery method toggles between the fadeIn() and fadeOut() methods?

- A. toggle()
- B. Toggle()
- C. fadeToggle()**
- D. fadetoggle()

44. What is the syntax of jQuery fadeToggle() method?

- A. \$(selector).fadeToggle();
- B. \$(selector).fadeToggle(callback, speed);
- C. \$(selector).fadeToggle(callback);
- D. \$(selector).fadeToggle(speed, callback);**

45. Which jQuery method allows fading to a given opacity (value between 0 and 1)?

- A. fade()
- B. fadeOpacity()
- C. fadeTo()**
- D. fadeto()

46. Which is the correct jQuery statement to fade out a <p> element?

- A. \$("p").fadeOut();**
- B. \$("#p").fadeOut();
- C. \$(".p").fadeOut();
- D. \$("p").fadeout();

47. Which is the correct jQuery statement to fade out a <p> element with duration effect "slow"?

- A. \$("p").fadeOut("slow");**

- B. `$("#p").fadeOut("slow");`
- C. `$(".p").fadeOut("slow");`
- D. `$("#p").fadeout();`

48. Which jQuery method is used to slide down an element?

- A. `slideDown()`
- B. `slideDown()`**
- C. `slidedown()`
- D. `slide()`

49. Which jQuery method is used to slide up an element?

- A. `slideUp()`**
- B. `slideDown()`
- C. `slidebottom()`
- D. `slide()`

50. Which jQuery method toggles between the `slideDown()` and `slideUp()` methods?

- A. `slide ()`
- B. `slideSwitch()`
- C. `slidetoggle()`
- D. `slideToggle()`**

51. Which jQuery method is used to create custom animations?

- A. `animation()`
- B. `slidAnimate()`
- C. `animate()`**
- D. `SlideAnimate()`

52. What is the correct syntax of `animate()` method?

- A. `$(selector).animate({params},speed,callback);`**
- B. `$(#selector).animate({params},speed,callback);`
- C. `$(selector).animate(speed,callback);`
- D. `$(selector).animate({speed,callback,params});`

53. In the syntax of `animate()` method, why `params` parameter is used?

- A. It is used to define the speed of the animation
- B. It is used to define the mouse events on the HTML element
- C. It is used to define the CSS property to be animated**
- D. None of the above

54. In the syntax of `animate()` method, what is/are the valid value(s) of `speed` parameter?

- A. `slow`
- B. `fast`
- C. `milliseconds`
- D. All of the above**

55. Which jQuery method is used to stop an animation before it is finished?

- A. `animate(false)`

- B. `animate('false')`
- C. `animate("false")`
- D. **`stop()`**

56. What is the correct syntax of `stop()` method?

- A. **`$(selector).stop(stopAll,goToEnd);`**
- B. `$(selector).stop(speed,callback);`
- C. `$(selector).stop(stopAll,goToEnd,callback);`
- D. `$(selector).stop(stopAll,speed);`

57. In jQuery DOM, what does DOM stand for?

- A. Data Object Model
- B. Document Object Manipulation
- C. **Document Object Model**
- D. Document On Model

58. Which jQuery DOM method is used to set or return the text content of selected elements?

- A. `content()`
- B. **`text()`**
- C. `html()`
- D. `val()`

59. Which jQuery DOM method is used to set or return the content of selected elements (including HTML markup)?

- A. `content()`
- B. `text()`
- C. **`html()`**
- D. `val()`

60. Which jQuery DOM method is used to set or return the value of form fields?

- A. `content()`
- B. `text()`
- C. `html()`
- D. **`val()`**

61. Which is the correct jQuery statement to get the text content of an HTML element having id "notification"?

- A. `$("#notification").text()`
- B. **`$("#notification").text()`**
- C. `$(".notification").text()`
- D. `$("#notification").val()`

62. Which jQuery DOM method is used to get the attribute value?

- A. **`attr()`**
- B. `attribute()`
- C. `attrib()`
- D. `val()`

63. Which is the correct jQuery statement to get the value "href" attribute having id "top"?

- A. `$("top").attr("href")`
- B. `$(".top").attr("href")`
- C. `$("$top").attr("href")`
- D. `$("#top").attr("href")`**

64. Which jQuery DOM method is used to insert content at the end of the selected elements?

- A. `insert()`
- B. `add()`
- C. `append()`**
- D. `appendValue()`

65. Which jQuery DOM method is used to insert content at the beginning of the selected elements?

- A. `insert()`
- B. `before()`
- C. `append()`
- D. `prepend()`**

66. Which jQuery DOM method is used to insert content after the selected elements?

- A. `after()`**
- B. `postpend()`
- C. `addafter()`
- D. `prepend()`

67. Which jQuery DOM method is used to insert content before the selected elements?

- A. `before()`**
- B. `addbefore()`
- C. `addprepend()`
- D. `prepend()`

68. Which is the correct syntax to insert content at the end of the <p> elements?

- A. `$("#p").append("Text to be added");`
- B. `$("p").before("Text to be added");`
- C. `$("p").append("Text to be added");`**
- D. `$("p").prepend("Text to be added");`

69. Which is the correct syntax to insert content at the beginning of the <p> elements?

- A. `$("#p").before("Text to be added");`
- B. `$("p").addafter("Text to be added");`
- C. `$("p").after("Text to be added");`
- D. `$("p").prepend("Text to be added");`**

70. Which is the correct syntax to insert content after the <div> elements?

- A. `$("div").after("Text to be added");`**
- B. `$("div").postpend("Text to be added");`
- C. `$("div").addafter("Text to be added");`
- D. `$("#div").after("Text to be added");`

71. Which is the correct syntax to insert content before the <div> elements?

- A. `$("#div").before("Text to be added");`
- B. `$("#div").prepend("Text to be added");`
- C. `$("#div").addbefore("Text to be added");`
- D. `$("#div").before("Text to be added");`

72. What is the difference between `remove()` and `empty()` methods?

- A. **`remove()` removes the selected element and its child elements while `empty()` removes the child elements of the selected element**
- B. `remove()` removes the child elements of the selected element while `empty()` removes the selected elements and its child elements
- C. `remove()` removes the child elements while `empty()` removes the content of the selected element
- D. `remove()` removes the child elements while `empty()` removes the content of the selected element and its child elements

73. Write a jQuery statement to remove all child elements only from the element having id "notif"?

- A. `$("#notif").empty();`
- B. **`$("##notif").empty();`**
- C. `$("#.notif").empty();`
- D. `$("#<notif>").empty();`

74. Write a jQuery statement to remove all `<p>` elements with class="prog"?

- A. `$(".prog").remove();`
- B. `$("#p").empty(".prog");`
- C. **`$("#p").remove(".prog");`**
- D. `$("#p.prog").remove();`

75. Write a jQuery statement to remove all `<pre>` elements with class="prog" and class="old"?

- A. `$(".prog#old").remove();`
- B. `$("#pre").empty(".prog", ".old");`
- C. **`$("#pre").remove(".prog", ".old");`**
- D. `$("#pre.prog.old").remove();`

76. Which method is used to add CSS class to the selected elements?

- A. `add()`
- B. **`addClass()`**
- C. `addClasses()`
- D. `AddClasses()`

77. Can we add more than one CSS classes to the selected elements using the `addClass()` method?

- A. **Yes**
- B. No

Answer: A) Yes

78. Which method is used to remove CSS class to the selected elements?

- A. `removeCSS()`
- B. **`removeClass()`**
- C. `removeClassses()`

D. RemoveClass()

79. Which method is used to set or get the CSS style attribute?

- A. cssAttribute()
- B. attribute()
- C. attr()
- D. css()**

80. Which is the correct syntax to get the value of a CSS style attribute/property using the css() method?

- A. css("propertyname");**
- B. css(propertyname);
- C. css(".propertyname");
- D. css("#propertyname");

81. Which is the correct syntax to set the value of a CSS style attribute/property using the css() method?

- A. css("propertyname"="value");
- B. css("propertyname","value");**
- C. css("propertyname":"value");
- D. css("propertyname":="value");

82. Which is the correct jQuery statement to set background color and text decoration to all <p> elements?

- A. \$("p").css({"background-color": "#f1f1f1", "text-decoration": "underline"});
- B. \$("#p").css({"background-color": "#f1f1f1", "text-decoration": "underline"});
- C. \$("p").css({"background-color": "#f1f1f1", "text-decoration": "underline"});**
- D. \$("#p").css({"background-color": "#f1f1f1", "text-decoration": "underline"});

83. Which jQuery method is used to get or set the width of an HTML element?

- A. cssWidth()
- B. Csswidth()
- C. length()
- D. width()**

84. Which jQuery method is used to get or set the height of an HTML element?

- A. cssHeight()
- B. CssHeight()
- C. height()**
- D. getHeight()

85. Which jQuery methods are used to get or set the width and height of an HTML element including the paddings?

- A. innerWidth() and innerHeight()**
- B. width() and height()
- C. cssWidth() and cssHeight()
- D. elementWidth() and elementHeight()

86. Which jQuery methods are used to get or set the width and height of an HTML element including the paddings and borders?

- A. outerWidth() and outerHeight()**

- B. width() and height()
- C. cssWidth() and cssHeight()
- D. elementWidth() and elementHeight()

87. Which are the jQuery methods for traversing up the DOM tree?

- A. parent()
- B. parents()
- C. parentsUntil()
- D. All of the above**

88. Which jQuery method is used to get the direct parent element of the selected element?

- A. parent()**
- B. parents()
- C. parentsUntil()
- D. All of the above

89. Which jQuery method is used to get the all ancestor elements of the selected element, all the way up to the document's root element (<html>)?

- A. parent()
- B. parents()**
- C. parentsUntil()
- D. All of the above

90. Which jQuery method is used to get the all ancestor elements between two given arguments?

- A. parent()
- B. parents()
- C. parentsUntil()**
- D. All of the above

91. There is a <pre> element, write a jQuery statement to get it's parent?

- A. \$("pre").parent();**
- B. \$("pre").parents();
- C. \$("pre").parentsUntil();
- D. None of the above

92. Which are the jQuery methods for traversing down the DOM tree?

- A. children()
- B. find()
- C. childrens()
- D. Both A. and B.**

93. Which jQuery method is used to get all direct children of the selected element?

- A. children()**
- B. find()
- C. childrens()
- D. Both A. and B.

94. Which jQuery method is used to get descendant elements of the selected element, all the way down to the last descendant?

- A. children()
- B. find()**
- C. childrens()
- D. Both A. and B.

95. What will the following jQuery code do?

```
$(document).ready(function() {  
    $("pre").siblings();  
});
```

- A. It will return all parent elements of <pre> element
- B. It will return all children elements of <pre> element
- C. It will return all sibling elements of <pre> element**
- D. It will return all nonrelative elements of <pre> element

96. Which is the correct jQuery statement to change the color of all <p> elements which are sibling elements of <pre>?

- A. `$("#pre").siblings("p").css({"color": "red"});`
- B. `$(".pre").siblings("p").css({"color": "red"});`
- C. `$("#pre").siblings(".p").css({"color": "red"});`
- D. `$("#pre").siblings("p").css({"color": "red"});`**

97. Which jQuery method is used to get the next sibling element of the selected element?

- A. sibling()
- B. nextSibling()
- C. next()**
- D. siblings()

98. Which jQuery method is used to get the all next sibling element of the selected element?

- A. siblingAll()
- B. nextSiblingAll()
- C. nextAll()**
- D. siblingsAll()

99. Let suppose there are multiple <h3> elements in an HTML document, which is the correct jQuery statement to get the first <h3> element?

- A. `$("#h3").first();`**
- B. `$("#h3").parent();`
- C. `$("#h3").firstParent();`
- D. `$("#h3").top();`

100. Let suppose there are multiple <h3> elements in an HTML document, which is the correct jQuery statement to get the last <h3> element?

- A. `$("#h3").last();`**

- B. `$("h3").children();`
- C. `$("h3").lastChild();`
- D. `$("h3").down();`

101. Which of the following is not the feature of jQuery?

- A. Efficient query method for finding the set of document elements
- B. Expressive syntax for referring to elements in the document
- C. Useful set of methods for manipulating selected elements
- D. **Powerful functional programming techniques is not used for operating on sets of elements as a group**

102. What does the min mean in the following JavaScript code?

```
<script src="jquery-1.4.2.min.js"></script>
```

- A. **Minimised version**
- B. Miniature
- C. Minimised parameters
- D. Minimum value

Unit - 3 JSON

1. JSON stands for _____.

- A. **JavaScript Object Notation**
- B. Java Object Notation
- C. JavaScript Object Normalization
- D. JavaScript Object-Oriented Notation

2. JSON is a _____ for storing and transporting data.

- A. xml format
- B. **text format**
- C. JavaScript
- D. php format

3. The JSON syntax is a subset of the _____ syntax.

- A. Ajax
- B. Php
- C. HTML
- D. **JavaScript**

4. Who is the creator of JSON?

- A. Alvin Alexander
- B. Rasmus Lerdorf
- C. **Douglas Crockford**
- D. Jesse James Garrett

5. In the JSON syntax, data is separated by _____.

- A. Semicolons
- B. Colons
- C. **Commas**
- D. Hyper

6. In the JSON syntax, array is written within in _____.

- A. **Square brackets**
- B. Curley braces
- C. Parentheses
- D. None of the above

7. What are the features of JSON?

- 1) Simplicity
- 2) Openness
- 3) Self-Describing

4) Internationalization

5) Extensibility

6) Interoperability

A. 1) 2) 4) and 5)

B. 2) 3) 5) and 6)

C. 1) 3) 5) and 6)

D. All of given

8. Which is the correct symbol to insert a comment in JSON?

A. //

B. /*...*/

C. <!-- ... -->

D. JSON doesn't support the comments

9. In the JSON syntax, data is in ____ pairs.

A. class/object

B. name/value

C. datatype/variable

D. value/=

10. JSON names (keys) require double quotes?

A. True

B. False

11. JSON names (keys) must be strings?

A. True

B. False

12. What is the correct syntax of writing JSON name/value pair, where the value is of string type?

A. "name" : "value"

B. "name" : value

C. "name" : 'value'

D. 'name' : 'value'

13. What is the file type for JSON files?

A. .jsn

B. .js

C. .json

D. jso

14. What is the MIME type for JSON text?

A. application/json

- B. application/json
- C. xml/json
- D. xml/jsn

15. Which is not a JSON data type?

- A. number
- B. string
- C. array
- D. date**

16. The undefined is a valid datatype in JSON?

- A. Yes
- B. No**

17. Which is the correct example of a JSON object with name, age, and city?

- A. { "record":{"name":"Alex", "age":21, "city":"London"} }**
- B. { "record"={"name":"Alex", "age":21, "city":"London"} }
- C. { "record":{"name":Alex, "age":21, "city":London} }
- D. { record :{"name":"Alex", "age":21, "city":"London"} }

18. Which of these is an example of a proper JSON array?

- A. { students:["Alex", "Alvin", "Bobby"] }
- B. { students="Alex", "Alvin", "Bobby" }
- C. { "students":["Alex", "Alvin", "Bobby"] }**
- D. { "students":[{"Alex", "Alvin", "Bobby"}] }

19. In the below statement, what is the type of "student"?

```
{ "student": { "name": "Alvin", "age": 21, "city": "Mumbai" } }
```

- A. String
- B. Array
- C. Object**
- D. Class

20. Values in JSON can be null?

- A. Yes**
- B. No

21. How to create JSON Boolean object?

- A. { "name"=true/false }
- B. { 'name':true/false }
- C. { "name":true/false }**
- D. { name:true/false }

22. A common use of JSON is _____.

- A. to update data into the database
- B. to retrieve data from the database
- C. to exchange data to/from a web server**
- D. None of the above

23. Which function is used to convert text into a JavaScript object?

- A. JSON.parse()**
- B. string.parse()
- C. object.parse()
- D. All of the above

24. Which function is used to convert a JavaScript object into a string?

- A. JSON.string()
- B. JSON.stringify()**
- C. JSON.ToString()
- D. All of the above

25. Which is the correct statement to convert the below given array to string?

```
const arr = ["Alex", "Alvin", "Bobby", "Dock"];
```

- A. const json_arr = JSON.string(arr);
- B. const json_arr = JSON.ToString(arr);
- C. const json_arr = JSON.ArrayToString(arr);
- D. const json_arr = JSON.stringify(arr);**

26. Which PHP function is used to convert PHP objects into JSON?

- A. json_encode()**
- B. phpjson_encode()
- C. json_string()
- D. json_object()

27. Which PHP function is used to convert the request into an object?

- A. json_decode()**
- B. phpjson_decode()
- C. json_string()
- D. json_object()

28. _____ is a method for sending JSON data without worrying about cross-domain issues.

- A. JSON
- B. json
- C. JSONP**

D. JSONP_Encode()

29. JSONP stands for ____.

- A. JSON with Packing
- B. JSON with Padding**
- C. JSON with Parsing
- D. JSON with Prefix

30. Does JSON support the Unicode Characters?

- A. Yes**
- B. No

31. Which of the following code will throw an error?

- A. JSON.parse('{"name":"John", "age":30, "city":"New York"}');
- B. JSON.parse(null);
- C. JSON.parse(undefined);**
- D. JSON.parse('[]');

32. What is/are the parameter(s) of the method JSON.parse()?

- A. Text
- B. Reviver
- C. Object
- D. Both Text and Reviver**

33. The order of JSON objects is always preserved?

- A. Yes**
- B. No

34. How do you represent a JSON array of strings?

- A. { "days" : { "SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT" } }
- B. { "days" = ["SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT"] }
- C. { "days" = { "SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT" } }
- D. { "days" : ["SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT"] }**

35. How do you represent a JSON array of objects?

- A. { "students": { {"name":"Alvin", "age":21, "city":"Mumbai"}, {"name":"Alex", "age":24, "city":"Delhi"} } }
- B. { "students"= [{"name":"Alvin", "age":21, "city":"Mumbai"}, {"name":"Alex", "age":24, "city":"Delhi"}] }
- C. { "students"= { {"name":"Alvin", "age":21, "city":"Mumbai"}, {"name":"Alex", "age":24, "city":"Delhi"} } }
- D. { "students": [{"name":"Alvin", "age":21, "city":"Mumbai"}, {"name":"Alex", "age":24, "city":"Delhi"}] }**

36. JSON array elements can be access by ____.

- A. Name

- B. Key
- C. Value
- D. Index**

37. In the below statement, what is the type of "sports"?

```
{"name": "Alvin", "age": 21, "sports": ["Cricket", "Football", "Running"]}
```

- A. string
- B. object**
- C. class
- D. attribute

38. In the below statement, what is the type of "age"?

```
{"name": "Alvin", "age": 21, "sports": ["Cricket", "Football", "Running"]}
```

- A. number**
- B. int
- C. integer
- D. long

39. In the below statement, what data type is encoded in the outermost component?

```
[  
  {  
    "Name" : "Alex"  
  },  
  {  
    "Course" : "B.Tech"  
  }  
]
```

- A. object
- B. array**
- C. string
- D. XML

40. Which number types are available in the JavaScript but not supported in the JSON?

- A. Fractional and Rational
- B. Infinity and Rational
- C. Rational and Irrational
- D. Infinity and NaN**

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Unit - 4 AJAX

1. Ajax is used for creating ____.

- A. Web applications**
- B. Desktop applications
- C. System applications
- D. Both A. and B.

2. Ajax stands for ____.

- A. Asynchronous JavaScript and XML**
- B. Asynchronous JSON and XML
- C. Asynchronous Java and XML
- D. Asynchronous JavaScript and XMLHttpRequest

3. Which are the two major features of AJAX?

- a) Make requests to the server without reloading the page**
- b) Receive and work with data from the server**
- c) Make requests to the server with reloading the page
- d) Only receive the data from the server**

- A. a) and b)**
- B. b) and c)
- C. c) and d)
- D. d) and a)

4. What server support Ajax?

- A. WWW
- B. SMTP
- C. HTTP**
- D. All of the above

5. Which of the following feature makes the Ajax unique?

- A. It can work with all the databases
- B. It is a server-side application can also be used to create servers
- C. It can use Python & C++ for programming
- D. It makes data requests asynchronously**

6. Ajax sends data to a web server ____.

- A. in the background
- B. before loading the page
- C. with reloading the page
- D. All of the above

7. Ajax updates a web page ____ reloading the page.

- A. with
- B. without

8. How many types of triggers are present in update panel?

- A. one
- B. two
- C. three
- D. four

9. Which are the triggers present in update panel?

- A. PostTrigger and AsyncPostTrigger
- B.PostBackTrigger and SyncPostBackTrigger
- C. SyncPostBackTrigger and AsyncPostBackTrigger
- D.PostBackTrigger and AsyncPostBackTrigger

10. Why PostBackTrigger is used in update panel?

- A. Specifies a control and event that will cause a full-page update
- B. Specifies a control and event that will cause a partial page update
- C. Specifies a control and event that will cause a full web application update
- D. Specifies a control and event that will cause a full web application refresh

11. Why AsyncPostBackTrigger is used in update panel?

- A. Specifies a control and event that will cause a full-page update
- B. Specifies a control and event that will cause a partial page update
- C. Specifies a control and event that will cause a full web application update
- D. Specifies a control and event that will cause a full web application refresh

12. Which formats are supported by Ajax to send and receive information?

- A. JSON, XML, HTML, SQL, MySQL, and Text Files
- B. JSON, XML, HTML, and Text Files
- C. JSON, XML, HTML, NoSQL, and Oracle

D. JAVA, JSON, XML, HTML, Oracle, and Text Files

13. Ajax technologies include ____.

A. HTML/XHTML and CSS

B. DOM

C. XML or JSON

D. All of the above

14. Which technologies give Ajax its name?

A. Net and XML

B. ASP and XML

C. Asynchronous JavaScript, CSS, ASP, and XML

D. Asynchronous JavaScript and XML

15. Which company made Ajax popular?

A. Oracle

B. Google

C. Microsoft

D. Facebook

16. Ajax is about updating ____, without reloading the full-page.

A. parts of a web page

B. parts of a database records

C. parts of a HTML tags dynamically

D. parts of a CSS classes dynamically

17. What are the advantages of Ajax?

A. Bandwidth utilization

B. More interactive

C. Speeder retrieval of data

D. All of the above

18. What is update panel in Ajax?

A. a server control used to update the specified portion of a web page

B. server control used to update the full-page after reloading the page

C. a dashboard used to update the specified portion of a web page

D. None of the above

19. Which object can be used to exchange data with a server behind the scenes?

- A. **XMLHttpRequest**
- B. `HttpRequest`
- C. `JSONHttpRequest`
- D. All of the above

20. What is the correct syntax to create an XMLHttpRequest object?

- A. `XMLHttpRequest() variable`
- B. `XMLHttpRequest() variable;`
- C. `variable = new XMLHttpRequest()`
- D. **`variable = new XMLHttpRequest();`**

21. Which method cancels the current request?

- A. `cancel()`
- B. **`abort()`**
- C. `stop()`
- D. `pause()`

22. Which method returns the header information?

- A. **`getAllResponseHeaders()`**
- B. `getResponseHeaders()`
- C. `getHeaderInformation()`
- D. `getAllHeaderInformations()`

23. Which method returns the specific header information?

- A. **`getResponseHeader()`**
- B. `getSpecifcHeader()`
- C. `getHeaderOnly()`
- D. `getHeaderInfo()`

24. Which method adds a label/value pair to the header to be sent?

- A. `getRequestHeader()`
- B. `setAllRequestHeader()`
- C. **`setRequestHeader()`**
- D. `getAllRequestHeader()`

25. Which property holds the status of the XMLHttpRequest?

- A. **`readyState`**
- B. `holdState`

- C. pauseState
- D. stopState

26. Which property returns the response data as a string?

- A. getText
- B. getResponseText
- C. responseText**
- D. responseAllText

27. Which property returns the response data as XML data?

- A. getXML
- B. getResponseXML
- C. responseXML**
- D. responseAllXML

28. Which property returns the status-number of a request?

- A. statusText
- B. statusXML
- C. status-number
- D. status**

29. Which property returns the status-text?

- A. statusText**
- B. statusXML
- C. status-number
- D. status

30. "GET is simpler and faster than POST." - Is this statement true?

- A. Yes**
- B. No

31. Which is the correct syntax to add HTTP headers to the request?

- A. setRequestHeader(value, header)
- B. setAllRequestHeader(value, header)
- C. setRequestHeader(header, value)**
- D. setAllRequestHeader(header, value)

32. How to convert the below statement to the synchronous request?

```
xhttp.open("GET", "info.php", true);
```

- A. Convert the third parameter to "false"**
- B. Convert the third parameter to "sync"
- C. Convert the first parameter to "sync_GET"
- D. All of the above

33. Which are the two properties to hold the status of XMLHttpRequest?

- A. status and statusText**
- B. statusNum and statusText
- C. statusId and statusText
- D. None of the above

34. If the value of status property is 404, what does it mean?

- A. OK
- B. Forbidden
- C. Method Not Allowed
- D. Page not found**

35. The ____ function is called every time the readyState changes.

- A. getreadystatechange
- B. onreadystatechange**
- C. onsetreadystatechange
- D. toreadystatechange

UNIT 5 Node JS

1. In which of the following areas, Node.js is absolutely perfect to use?
 - A. I/O bound Applications
 - B. Data Streaming Applications
 - C. JSONAPI based Applications
 - D. All of the above.

Ans : D

2. Which of the following statement is valid to use a Node module fs in a Node based application?
 - A. `var fs = require("fs");`
 - B. `var fs = import("fs");`
 - C. `package fs;`
 - D. `import fs;`

Ans: A

3. Which of the following statement is correct for Node js?
 - A. It is Client Side Language.
 - B. It is the Server Side Language.
 - C. It is both Server Side and Client Side Language.
 - D. None of the above.

Ans :B

4. Node JS is written in _____ language
 - A. C++
 - B. C
 - C. JavaScript
 - D. All of the above

Ans :D

5. Which of the following is the core module of Node JS
 - A. MongoDB
 - B. Express
 - C. NPM
 - D. package .json

Ans : C

6. What is Callback?
 - A. The callback is a technique in which a method calls back the caller method.
 - B. The callback is an asynchronous equivalent for a function.
 - C. Both of the above.
 - D. None of the above.

Ans :B

7. Which of the following extension is used to save the Node.js files?

- A. .js
- B. .node
- C. .java
- D. .txt

Ans: A

8. Which of the following is not the built-in module?

- A. http
- B. fs
- C. path
- D. fsread

Ans :D

9. What does fs module stand for?

- A. File Service
- B. File Storing
- C. File System
- D. File Sharing

Ans : C

10. Which of the following method of fs module is used to create file?

- A. fs.writeFile()
- B. fs.open()
- C. fs.appendFile()
- D. All of the above

Ans :D

11. Node js is _____.

- A. Asynchronous
- B. Light Weight
- C. Highly Scalable
- D. All of the above

Ans :D

12. Node js is multithreaded.

- A. False
- B. True

Ans: A

13. Which function is used to include modules in node js?

- A. require()
- B. include()

- C. import()
- D. attach()

Ans: A

14. How node js modules can be created externally?

- A. module.expose
- B. module.exports
- C. module.spread
- D. None of the above

Ans: B

15. What does NPM stands for?

- A. Node Package Manager
- B. Node Project Manager
- C. New Package Manager
- D. New Project Manager

Ans: A

16. Which command shows the version of npm

- A. \$ npm – version
- B. \$ node –version
- C. \$ npmgetversion
- D. \$ node getverion

Ans: A

17. What is Node.js?

- A. File System
- B. Programming Language
- C. Open-source JavaScript based Framework
- D. Visual representation technique

Ans: C

18. Identify the incorrect statement about Node.js

- A. Node.js can read, write, create, open and close files on a server
- B. Node.js can generate dynamic page content and collect form data from a web page
- C. Node.js uses multi-threaded model
- D. Node.js provide cross-platform runtime environment

Ans: C

19. Which of the following code initiates the Node.js file named “file.js” on the command line interface?

- A. file.js node
- B. node file.js

- C. Node.js file.js
- D. exec file.js

Ans: B

20. Which of the following terms does not apply to Node.js?

- A. Event-driven
- B. JavaScript
- C. Non-blocking
- D. Heavyweight

Ans :D

21. Which of the following JavaScript based technology are mainly used for client-side Web development

- A. JQuery
- B. JSON
- C. Angular JS
- D. AJAX
- E. All of these

Ans : E

22. Which statement about Modules in Node.js is false?

- A. A module is similar to a JavaScript library with reusable function
- B. A module can be saved in a separate JavaScript file
- C. A module can work out of its own context and affect the other modules
- D. Node.js modules observe the CommonJS standards

Ans : C

23. Consider the below code. What does the req.url statement do?

```
var http = require('http');
http.createServer(function (req, res)
{
    res.writeHead(200, {'Content-Type': 'text/html'});
    res.write(req.url);
    res.end('<p> Hello World!</p>');
}).listen(8080);
```

- A. Holds the request object
- B. Holds the information that appears after the domain name in an HTTP request.
- C. Contains the Web address of the request
- D. Holds the response object

Ans : B

24. Which keyword is used to give accessibility to properties and methods outside a module file?

- A. request
- B. response
- C. require
- D. exports

Ans: D

25. Which method is used to delete a file?

- A. rmdir()
- B. truncate()
- C. unlink()
- D. close()

Ans: C

26. Which of the following statements about 'w' flag of open() method is false?

- A. Opens the file for writing
- B. If the file already exists, it is truncated
- C. If the file already exists, it is deleted
- D. If the file does not exist, it is created

Ans: C

27. Node.js files must be initiated in the?

- A. Command Prompt
- B. nodejs Editor
- C. Both A and B
- D. None of the above

Ans : A

28. Consider the below partial code. What will be the result of the write operation?

```
var fs = require("fs");
fs.writeFile('test.txt', 'Node js is easy to learn', function(err) {
  if (err) {
    throw err;
  }
})
```

- A. The content of test.txt will be deleted.
- B. The test.txt will be created if does not exist
- C. The content will be appended in test.txt
- D. The file content will be encrypted.

Ans : B

29. The _____ object is used to get information from a client and send information to server

- A. Request
- B. Response
- C. HTTP
- D. FS

Ans : A

30. Which module splits up a web address into readable parts?

- A. FS
- B. HTTP
- C. URL
- D. NPM

Ans : C

31. The _____ object is used to send information from a server to client.

- A. Request
- B. Response
- C. HTTP
- D. FS

Ans : B

32. Which of the following method can append specified content to a file?

- A. fs.appendFile()
- B. fs.open()
- C. fs.writeFile()
- D. None of the above.

Ans: A

33. Node.js uses an event-driven, non-blocking I/O model. Is it true?

- A. True
- B. False

Ans : A

34. Which of the following module is required to create a web server?

- A. Uri Module
- B. Net Module
- C. Http Module
- D. Web Module

Ans : C

35. How can we create instance of http module?

- A. var http = require("http")
- B. var http = new require("http")
- C. var http = new http()
- D. None of the above

Ans : A

36. Which node js method is used to create web-server?

- A. createServer()
- B. WebServer()
- C. CreateWebServer()
- D. None of these

Ans : A

37. Which of the following is NOT Node JS components:

- A. Node CLI
- B. NPM
- C. package.json
- D. NodeJs

Ans :D

38. Which node js method set a header to the response?

- A. writeHead
- B. setHead
- C. createHead
- D. appendHead

Ans : A

39. Which node js method is used to specify the status code and the content type?

- A. writeHead
- B. status
- C. contentType
- D. setHead

Ans : A

1. XML Element names cannot contain ____
 - a. spaces
 - b. underscore
 - c. Both A and B
 - d. none
2. ____ doesn't define a specific set of tags
 - a. Ajax
 - b. XML
 - c. SimpleXML
 - d. BBEdit
3. XML is a ____.
 - a. programming language
 - b. Markup language
 - c. scripting language
 - d. None of the above
4. Which of the following XML fragments are well-formed?
 - a. `<myElement myAttribute="some_Value"/>`
 - b. `<myElement myAttribute=some_Value />`
 - c. `<myElement myAttribute='some_Value' />`
 - d. `<myElement myAttribute="some_Value' />`
5. XML was developed by the ____ organization?
 - a. World Wide Web
 - b. World Wide Web Consortium (W3C)
 - c. Oracle
6. Which among the following is an invalid XML tag?
 - a. `<Subject>`
 - b. `<movie>`
 - c. `<1stRank>`
 - d. `<Product>`
7. Identify the incorrect XML statement.
 - a. `<friend nickname="Sanu">Saniya</friend>`
 - b. `<friend nickname="Sanu" contact="9898124578">Saniya</friend>`
 - c. `<friend nickname="Sanu" contact="9898124578" contact="7845128956">Saniya</friend>`
 - d. `<friend nickname="Sanu" contact="9898124578" email="saniya@gmail.com">Saniya</friend>`
8. Every XML document must have a root element.
 - a. True
 - b. False

9. XML stands for:

- a. eXtra Marking Language
- b. Example Markup Language
- c. eXtensible Markup Language
- d. X-Markup Language

10. Which statement(s) is(are) true about XML declaration?

- (i) It must be the first line
 - (ii) It must contain encoding parameter
 - (iii) It must contain version parameter
- a. Only (i) is true
 - b. Both (i) and (ii) are true
 - c. Both (i) and (iii) are true
 - d. All are true

11. What is the correct order of including parameters in XML declaration?

- a. encoding, standalone, version
- b. version, encoding, standalone
- c. standalone, version, encoding
- d. encoding, version, standalone

12. An XML document can have more than one root element.

- a. True
- b. False

13. Identify the data (information) exchange standard formats.

- a. JSON
- b. HTML
- c. XML
- d. Both JSON and XML

14. Attributes of XML element can have multiple values:

- a. True
- b. False

15. _____ is a new technique for creating better, faster, and more interactive web applications with the help of XML, HTML, CSS and Java Script.

- a. Ajax
- b. XML
- c. SimpleXML
- d. BBEdit

16. The XML document must have an XML declaration also known as document prolog section.

- a. True
- b. False

17. XML tags are Case Sensitive:

- a. True
- b. False

18. Which of the following is a valid statement for adding XML element?

- a. <booklist> </bookList>
- b. <bookList> </Booklist>
- c. <bookList> </bookList>
- d. <bookList> </booklist>

19. Which of the statements about XML is correct?

- a. All XML elements must be lower case
- b. All XML documents must have a DTD
- c. All XML elements must have a closing tag
- d. All of the Above

20. XML tags are Case in-Sensitive:

- a. True
- b. False

21. Ajax stands for _____.

- a. Asynchronous JavaScript and XML
- b. Asynchronous JSON and XML
- c. Asynchronous Java and XML
- d. Asynchronous JavaScript and XMLHttpRequest

22. XML is a ____ language.

- a. Case sensitive
- b. Case insensitive
- c. Both A and B
- d. None

23. Which statement is true about XML?

- a. All XML elements must be properly closed
- b. All XML elements must be lower case
- c. XML elements cannot be empty
- d. All given below

24. How to add the attribute named price to the <book> tag?

- a. <book attribute price ="100">
- b. <book price attribute ="100">
- c. <book price attribute_type="100">
- d. <book price ="100" >

25. Which are the two major features of AJAX?

- I. Make requests to the server without reloading the page
- II. Receive and work with data from the server
- III. Make requests to the server with reloading the page
- IV. Only receive the data from the server
 - a. Only I
 - b. Only II
 - c. Both I and II
 - d. Both III and IV

26. Select best option: XML document is Well formed if _____.

- a. It contain an comment
- b. It contains a root element
- c. It contains one or more elements
- d. Must contain one or more elements and root element must contain all other elements

27. True or false. All XML elements must have a closing tag.

- a. True
- b. false

28. XML elements cannot be empty.

- a. True
- b. False

29. Which formats are supported by Ajax to send and receive information?

- a. JSON, XML, HTML, SQL, MySQL, and Text Files
- b. JSON, XML, HTML, and Text Files
- c. JSON, XML, HTML, NoSQL, and Oracle
- d. JAVA, JSON, XML, HTML, Oracle, and Text Files

30. XML elements can be empty.

- a. true
- b. false

31. What is correct syntax of defining the XML version?

- a. <xml version="version_no" />
- b. <?xml version=" version_no " />
- c. <?xml version=" version_no " ?>
- d. None of the above

32. XML attribute values must always be enclosed in quotes.

- a. true
- b. false

33. Ajax technologies include _____.

- a. HTML/XHTML and CSS
- b. DOM
- c. XML or JSON
- d. XMLHttpRequest
- e. JavaScript
- f. All of the above

34. Ajax is about updating _____, without reloading the full-page.

- a. parts of a web page
- b. parts of a database records
- c. parts of a HTML tags dynamically
- d. parts of a CSS classes dynamically

35. Is following a "well formed" XML document?

```
<?xml version="1.0"?>
<book>
  <title>advanced web technology part-2</ title >
  <author> abc </author >
</book>
```

- a. yes
- b. no

36. What is correct syntax of defining the XML version?

- a. <xml version="version_no" />
- b. <?xml version=" version_no " />
- c. <?xml version=" version_no " ?>
- d. None of the above

37. Which is not a correct name for an XML element?

- a. <book name>
- b. <Age>
- c. <NAME>
- d. <book_name>

38. Which is a correct name for an XML element?

- a. <xmldoc>
- b. <xmldocument>
- c. <5no>
- d. <book>

39. Which object can be used to exchange data with a server behind the scenes?

- a. XMLHttpRequest
- b. HttpsRequest
- c. JSONHttpRequest
- d. All of the above

40. Which statement(s) is(are) true about XML attributes?

- 1). Attributes must always be present
 - 2). Attributes must in pre-defined order
- a. only 1 is true
 - b. only 2 is true
 - c. Both are true
 - d. Both are false

41. What is the correct syntax of the declaration which defines the XML version? OR The correct XML tag is:

- a. `<?xml version="1.0"?>`
- b. `<xml version="1.0" />`
- c. `<?xml version="1.0" />`
- d. `<xml version="1.0" ?>`

42. Which is a Correct XML element Name?

- a. #Element
- b. 7Element
- c. _Element
- d. None

43. What is the correct syntax to create an XMLHttpRequest object?

- a. XMLHttpRequest() variable
- b. XMLHttpRequest() variable;
- c. variable = new XMLHttpRequest()
- d. variable = new XMLHttpRequest()

44. XML Element names cannot be start with "xml".

- a. true
- b. false

45. Which property holds the status of the XMLHttpRequest?

- a. readyState
- b. holdState
- c. pauseState
- d. stopState

46. Comments can't be placed inside XML tags.

- a. true
- b. false

47. How do you add a comment to an XML document?

- a. `<?-- -->`
- b. `<!-- --!>`

c. `<!-- -->`

d. `</-- -- >`

48. XML Element names cannot be start with

- a. xml
- b. Number
- c. punctuation character
- d. All

49. Which property returns the response data as a string?

- a. getText
- b. getResponseText
- c. responseText
- d. responseAllText

50. Which Language Is Case Sensitive?

- a. XML
- b. HTML
- c. Both A & B
- d. None

51. _____ is a case-sensitive language whereas _____ is not a case sensitive language.

- a. HTML, XML
- b. XML, HTML

52. Which property returns the response data as XML data?

- a. getXML
- b. getResponseXML
- c. responseXML
- d. responseAllXML

53. XML is designed to _____ and store data.

- a. Design
- b. HTML
- c. Transport
- d. All above

54. Each XML document must have:

- a. Closing tag
- b. Root element
- c. Nested child
- d. Both A and B

55. Which of the following XML is correct?

- a. `<Element Attribute="some_Value"/>`

- b. <Element Attribute=some_Value />
- c. <Element Attribute='some_Value' />
- d. <Element Attribute="some_Value" />

56. XML has ____ tags.

- a. predefined
- b. custom
- c. Both A and B
- d. None of the above

57. Which property returns the status-number of a request?

- a. statusText
- b. statusXML
- c. status-number
- d. status

58. How to convert the below statement to the synchronous request?

`xhr.open("GET", "info.php", true);`

- a. Convert the third parameter to "false"
- b. Convert the third parameter to "sync"
- c. Convert the first parameter to "sync_GET"
- d. All of the above

59. If the value of status property is 404, what does it mean?

- a. OK
- b. Forbidden
- c. Method Not Allowed
- d. Page not found

60. The ____ function is called every time the readyState changes.

- a. getreadystatechange
- b. onreadystatechange
- c. onreadystatechange
- d. toreadystatechange

61. jQuery is a ____.

- a. JavaScript Library
- b. JSON Library
- c. Java Library
- d. JSON and CSS Library

62. Which jQuery method toggles between the slideDown() and slideUp() methods?

- a. slide ()
- b. slideSwitch()
- c. slidetoggle()

d. `slideToggle()`

63. JSON is a _____ for storing and transporting data.

- a. xml format
- b. text format
- c. JavaScript
- d. php format

64. Which jQuery method is used to create custom animations?

- a. `animation()`
- b. `slidAnimate()`
- c. `animate()`
- d. `SlideAnimate()`

65. To work with jQuery, you should have the basic knowledge of these topics?

- a. HTML
- b. CSS
- c. JavaScript
- d. All of the above

66. What is the correct syntax of `animate()` method?

- a. `$(selector).animate({params},speed,callback);`
- b. `$(#selector).animate({params},speed,callback);`
- c. `$(selector).animate(speed,callback);`
- d. `$(selector).animate({speed,callback,params});`

67. The JSON syntax is a subset of the _____ syntax.

- a. Ajax
- b. Php
- c. HTML
- d. JavaScript

68. Who is the creator of JSON?

- a. Alvin Alexander
- b. Rasmus Lerdorf
- c. Douglas Crockford
- d. Jesse James Garrett

69. In the syntax of `animate()` method, why `params` parameter is used?

- a. It is used to define the speed of the animation
- b. It is used to define the mouse events on the HTML element
- c. It is used to define the CSS property to be animated
- d. None of the above

70. Who developed jQuery?

- a. John Richard

- b. John Resig
- c. John Carter
- d. John Alexander

71. In the syntax of animate() method, what is/are the valid value(s) of speed parameter?

- a. slow
- b. fast
- c. milliseconds
- d. All of the above

72. What are the features of JSON?

- a. Simplicity
- b. Openness
- c. Self-Describing
- d. Internationalization
- e. Extensibility
- f. Interoperability
- g. All of the above

73. In which year jQuery was initial released?

- a. 2004
- b. 2005
- c. 2006
- d. 2007

74. Which jQuery method is used to stop an animation before it is finished?

- a. animate(false)
- b. animate('false')
- c. animate("false")
- d. stop()

75. Which is the correct symbol to insert a comment in JSON?

- a. //
- b. /*...*/
- c. <!--...-->
- d. JSON doesn't support the comments

76. In the JSON syntax, data is in ____ pairs.

- a. class/object
- b. name/value
- c. datatype/variable
- d. value/=

77. What is the correct syntax of stop() method?

- a. \$(selector).stop(stopAll,goToEnd);

- b. \$(selector).stop(speed,callback);
- c. \$(selector).stop(stopAll,goToEnd,callback);
- d. \$(selector).stop(stopAll,speed);

78. Is jQuery case-sensitive?

- a. Yes
- b. No

79. In jQuery DOM, what does DOM stand for?

- a. Data Object Model
- b. Document Object Manipulation
- c. Document Object Model
- d. Document On Model

80. What is the MIME type for JSON text?

- a. application/json
- b. application/jsn
- c. xml/json
- d. xml/jsn

81. Which jQuery DOM method is used to set or return the text content of selected elements?

- a. content()
- b. text()
- c. html()
- d. val()

82. Which feature(s) jQuery contains?

- a. HTML/DOM manipulation
- b. CSS manipulation
- c. AJAX
- d. All of the above

83. Which jQuery DOM method is used to set or return the content of selected elements (including HTML markup)?

- a. content()
- b. text()
- c. html()
- d. val()

84. Which jQuery DOM method is used to set or return the value of form fields?

- a. content()
- b. text()
- c. html()
- d. val()

85. Which is not a JSON data type?

- a. number
- b. string
- c. array
- d. date

86. Which is the correct example of a JSON object with name, age, and city?

- a. { "record":{"name":"Alex", "age":21, "city":"London"} }
- b. { "record"={"name":"Alex", "age":21, "city":"London"} }
- c. { "record":{"name":Alex, "age":21, "city":London} }
- d. { record :{"name":"Alex", "age":21, "city":"London"} }

87. Which is the correct jQuery statement to get the text content of an HTML element having id "notification"?

- a. \$("notification").text()
- b. \$("#notification").text()
- c. \$(".notification").text()
- d. \$("#notification").val()

88. Which sign is used to define/access jQuery?

- a. \$
- b. .
- c. &
- d. #

89. A common use of JSON is _____.

- a. to update data into the database
- b. to retrieve data from the database
- c. to exchange data to/from a web server
- d. None of the above

90. Which jQuery DOM method is used to get the attribute value?

- a. attr()
- b. attribute()
- c. attrib()
- d. val()

91. Which jQuery is used to hide the current element?

- a. \$(this).hideelement()
- b. \$(this).hide('true')
- c. \$(this).hide(0)
- d. \$(this).hide()

92. Which function is used to convert text into a JavaScript object?

- a. JSON.parse()

- b. string.parse()
- c. object.parse()
- d. All of the above

93. Which is the correct jQuery statement to get the value "href" attribute having id "top"?

- a. \$("top").attr("href")
- b. \$(".top").attr("href")
- c. \$("#stop").attr("href")
- d. \$("#top").attr("href")

94. Which is the correct jQuery statement to hide all <div> elements?

- a. \$("div").hide()
- b. \$(div).hide()
- c. \$(".div").hide()
- d. \$("#div").hide()

95. Which jQuery DOM method is used to insert content at the end of the selected elements?

- a. insert()
- b. add()
- c. append()
- d. appendValue()

96. Which function is used to convert a JavaScript object into a string?

- a. JSON.string()
- b. JSON.stringify()
- c. JSON.ToString()
- d. All of the above

97. Which jQuery DOM method is used to insert content at the beginning of the selected elements?

- a. insert()
- b. before()
- c. append()
- d. prepend()

98. Which is the correct jQuery statement to hide all elements having class name "new"?

- a. \$("new").hide()
- b. \$(new).hide()
- c. \$(".new").hide()
- d. \$("#new").hide()

99. Which jQuery DOM method is used to insert content after the selected elements?

- a. after()
- b. postpend()
- c. addafter()
- d. prepend()

100. JSON array elements can be access by ____.
- a. Name
 - b. Key
 - c. Value
 - d. Index
101. Who developed jQuery?
- a. John Richard
 - b. John Resig
 - c. John Carter
 - d. John Alexander
102. Which jQuery DOM method is used to insert content before the selected elements?
- a. before()
 - b. addbefore()
 - c. addprepend()
 - d. prepend()
103. Which is the correct jQuery statement to hide all elements having id name "new"?
- a. \$("new").hide()
 - b. \$(new).hide()
 - c. \$(".new").hide()
 - d. \$("#new").hide()
104. Which feature(s) jQuery contains?
- a. HTML/DOM manipulation
 - b. CSS manipulation
 - c. HTML event methods
 - d. Effects and animations
 - e. AJAX f. Utilities
 - f. All of the above
105. Which sign is used to define/access jQuery?
- a. \$
 - b. .
 - c. &
 - d. #
106. Which is the correct syntax to insert content at the end of the <p> elements?
- a. \$("#p").append("Text to be added");
 - b. \$("p").before("Text to be added");
 - c. \$("p").append("Text to be added");
 - d. \$("p").prepend("Text to be added");

107. What is the use of jQuery Selectors?
- a. jQuery selectors are used to select and manipulate HTML element(s).
 - b. jQuery selectors are used to import the HTML elements from the other file.
 - c. jQuery selectors are used to select and manipulate JSON elements(s).
 - d. jQuery selectors are used to select and manipulate ReactJS classes.
108. Which is the correct syntax to insert content at the beginning of the <p> elements?
- a. \$("#p").before("Text to be added");
 - b. \$("p").addafter("Text to be added");
 - c. \$("p").after("Text to be added");
 - d. \$("p").prepend("Text to be added");
109. Which jQuery is used to hide the current element?
- a. \$(this).hideelement()
 - b. \$(this).hide('true')
 - c. \$(this).hide(0)
 - d. \$(this).hide()
110. Which is the correct jQuery statement to hide all <div> elements?
- a. \$("div").hide()
 - b. \$(div).hide()
 - c. \$(".div").hide()
 - d. \$("#div").hide()
111. Which is the correct syntax to insert content after the <div> elements?
- a. \$("div").after("Text to be added");
 - b. \$("div").postpend("Text to be added");
 - c. \$("div").addafter("Text to be added");
 - d. \$("#div").after("Text to be added");
112. Which is the correct jQuery selector statement to select all <div> elements?
- a. \$(".div")
 - b. \$("#div")
 - c. \$("div")
 - d. \$("<div>")
113. Which is the correct syntax to insert content before the <div> elements?
- a. \$("div").before("Text to be added");
 - b. \$("div").prepend("Text to be added");
 - c. \$("div").addbefore("Text to be added");
 - d. \$("#div").before("Text to be added");
114. What is the use of jQuery method toggle()?
- a. To hide shown elements and to show hidden elements

- b. To remove current element
- c. To shift current element at the previous position
- d. All of the above

115. What is the difference between remove() and empty() methods?

- a. remove() removes the selected element and its child elements while empty() removes the child elements of the selected element
- b. remove() removes the child elements of the selected element while empty() removes the selected elements and its child elements
- c. remove() removes the child elements while empty() removes the content of the selected element
- d. remove() removes the child elements while empty() removes the content of the selected element and its child elements

116. Which is the correct jQuery statement to hide all elements having class name "new"?

- a. \$("new").hide()
- b. \$(new).hide()
- c. \$(".new").hide()
- d. \$("#new").hide()

117. Write a jQuery statement to remove all child elements only from the element having id "notif"?

- a. \$("notif").empty();
- b. \$("#notif").empty();
- c. \$(".notif").empty();
- d. \$("<notif>").empty();

118. Which jQuery method is used to fade in a hidden element?

- a. fade()
- b. fadeIn()
- c. fadeOut()
- d. fadeToggle()

119. Write a jQuery statement to remove all <p> elements with class="prog"?

- a. \$(".prog").remove();
- b. \$("p").empty(".prog");
- c. \$("p").remove(".prog");
- d. \$("p.prog").remove();

120. Which sign is used for class selector?

- a. \$class
- b. .class
- c. #class
- d. None

121. Write a jQuery statement to remove all <pre> elements with class="prog" and class="old"?
- `$(".prog#old").remove();`
 - `$("pre").empty(".prog", ".old");`
 - `$("pre").remove(".prog, .old");`
 - `$("pre.prog.old").remove();`
122. What is the syntax of jQuery `fadeIn()` method?
- `$(selector).fadeIn();`
 - `$(selector).fadeIn(callback, speed);`
 - `$(selector).fadeIn(callback);`
 - `$(selector).fadeIn(speed, callback);`
123. What is the use of jQuery Selectors?
- jQuery selectors are used to select and manipulate HTML element(s).
 - jQuery selectors are used to import the HTML elements from the other file.
 - jQuery selectors are used to select and manipulate JSON elements(s).
 - jQuery selectors are used to select and manipulate ReactJS classes.
124. Which method is used to add CSS class to the selected elements?
- `add()`
 - `addClass()`
 - `addClasses()`
 - `AddClasses()`
125. Which jQuery method is used to fade out a visible element?
- `fadeOut()`
 - `fadeIn()`
 - `fadeOut()`
 - `fadeToggle()`
126. Can we add more than one CSS classes to the selected elements using the `addClass()` method?
- Yes
 - No
127. Which sign is used for id selector?
- `$id`
 - `.id`
 - `#id`
 - None
128. Which method is used to remove CSS class to the selected elements?
- `removeCSS()`
 - `removeClass()`
 - `removeClasses()`
 - `RemoveClass()`

129. What is the syntax of jQuery fadeOut() method?
- \$(selector).fadeOut();
 - \$(selector).fadeOut(callback, speed);
 - \$(selector).fadeOut(callback);
 - \$(selector).fadeOut(speed, callback);
130. Why #id selectors are used for?
- To select all elements having the id
 - To select all elements without having the id
 - To select all elements having the id within a specified
 - To select all elements having the id within a specified section.
131. Ajax is used for creating ____.
- Web applications
 - Desktop applications
 - System applications
 - Both A. and B.
132. Which method is used to set or get the CSS style attribute?
- cssAttribute()
 - attribute()
 - attr()
 - css()
133. Ajax stands for ____.
- Asynchronous JavaScript and XML
 - Asynchronous JSON and XML
 - Asynchronous Java and XML
 - Asynchronous JavaScript and XMLHttpRequest
134. Which jQuery method toggles between the fadeIn() and fadeOut() methods?
- toggle()
 - Toggle()
 - fadeToggle()
 - fadetoggle()
135. Which are the two major features of AJAX?
136. Make requests to the server without reloading the page b) Receive and work with data from the server
137. Make requests to the server with reloading the page d) Only receive the data from the server
- a) and b)
 - b) and c)
 - c) and d)
 - d) and a)

138. Which is the correct syntax to get the value of a CSS style attribute/property using the css() method?
- a. `css("propertyname");`
 - b. `css(propertyname);`
 - c. `css(".propertyname");`
 - d. `css("#propertyname");`
139. What server support Ajax?
- a. WWW
 - b. SMTP
 - c. HTTP
 - d. All of the above
140. Why #id selectors are used for?
- a. To select all elements having the id
 - b. To select all elements without having the id
 - c. To select all elements having the id within a specified <div>
 - d. To select all elements having the id within a specified section.
141. Which of the following feature makes the Ajax unique?
- a. It can work with all the databases
 - b. It is a server-side application can also be used to create servers
 - c. It can use Python & C++ for programming
 - d. It makes data requests asynchronously
142. Which is the correct syntax to set the value of a CSS style attribute/property using the css() method?
- a. `css("propertyname"="value");`
 - b. `css("propertyname","value");`
 - c. `css("propertyname":"value");`
 - d. `css("propertyname":="value");`
143. Ajax sends data to a web server ____.
- a. in the background
 - b. before loading the page
 - c. with reloading the page
 - d. All of the above
144. Which is the correct jQuery selector to select all elements?
- a. `$("all")`
 - b. `$("*.*")`
 - c. `$("*")`
 - d. `$("****")`

145. Ajax updates a web page ____ reloading the page.
a. with
b. without
146. Which is the correct jQuery statement to set background color and text decoration to all <p> elements?
a. \$("p").css({"background-color": "#f1f1f1"; "text-decoration": "underline"});
b. \$("#p").css({"background-color": "#f1f1f1"; "text-decoration": "underline"});
c. \$("p").css({"background-color": "#f1f1f1", "text-decoration": "underline"});
d. \$("#p").css({"background-color": "#f1f1f1", "text-decoration": "underline"});
147. How many types of triggers are present in update panel?
a. one
b. two
c. three
d. four
148. Which is the correct jQuery selector to select all elements?
a. \$("all")
b. \$("*.*")
c. \$("*")
d. \$("****")
149. Which are the triggers present in update panel?
a. PostTrigger and AsyncPostTrigger
b.PostBackTrigger and SyncPostBackTrigger
c. SyncPostBackTrigger and AsyncPostBackTrigger
d.PostBackTrigger and AsyncPostBackTrigger
150. Which jQuery method is used to get or set the width of an HTML element?
a. cssWidth()
b. Csswidth()
c. length()
d. width()
151. WhyPostBackTrigger is used in update panel?
a. Specifies a control and event that will cause a full-page update
b. Specifies a control and event that will cause a partial page update
c. Specifies a control and event that will cause a full web application update
d. Specifies a control and event that will cause a full web application refresh
152. Why AsyncPostBackTrigger is used in update panel?
a. Specifies a control and event that will cause a full-page update
b. Specifies a control and event that will cause a partial page update
c. Specifies a control and event that will cause a full web application update

- d. Specifies a control and event that will cause a full web application refresh
- 153. Which is the correct jQuery selector to select the first HTML element?**
- a. \$("element_name.first")
 - b. \$("element_name#first")
 - c. \$("element_name::first")
 - d. \$("element_name:first")
- 154. Which formats are supported by Ajax to send and receive information?**
- a. JSON, XML, HTML, SQL, MySQL, and Text Files
 - b. JSON, XML, HTML, and Text Files
 - c. JSON, XML, HTML, NoSQL, and Oracle
 - d. JAVA, JSON, XML, HTML, Oracle, and Text Files
- 155. Which is the correct jQuery selector to select all elements having "href" attribute?**
- a. \$("a.[href]")
 - b. \$("a:[href]")
 - c. \$("[href].*")
 - d. \$("[href]")
- 156. Ajax technologies include _____.**
- a. HTML/XHTML and CSS
 - b. DOM
 - c. XML or JSON
 - d. All of the above
- 157. What is the use of jQuery method toggle()?**
- a. To hide shown elements and to show hidden elements
 - b. To remove current element
 - c. To shift current element at the previous position
 - d. All of the above
- 158. Which technologies give Ajax its name?**
- a. Net and XML
 - b. ASP and XML
 - c. Asynchronous JavaScript, CSS, ASP, and XML
 - d. Asynchronous JavaScript and XML
- 159. Which is the correct jQuery selector to select current HTML element?**
- a. \$(this)
 - b. \$(cur)
 - c. \$(.this)
 - d. \$(#this)
- 160. Which company made Ajax popular?**

- a. Oracle
- b. Google
- c. Microsoft
- d. Facebook

161. Ajax is about updating _____, without reloading the full-page.

- a. parts of a web page
- b. parts of a database records
- c. parts of a HTML tags dynamically
- d. parts of a CSS classes dynamically

162. Which jQuery methods are used to get or set the width and height of an HTML element including the paddings?

- a. innerWidth() and innerHeight()
- b. width() and height()
- c. cssWidth() and cssHeight()
- d. elementWidth() and elementHeight()

163. What are the advantages of Ajax?

- a. Bandwidth utilization
- b. More interactive
- c. Speedier retrieval of data
- d. All of the above

164. Which jQuery method is used to get or set the height of an HTML element?

- a. cssHeight()
- b. CssHeight()
- c. height()
- d. getHeight()

165. What is update panel in Ajax?

- a. a server control used to update the specified portion of a web page
- b. server control used to update the full-page after reloading the page
- c. a dashboard used to update the specified portion of a web page
- d. None of the above

166. Which jQuery methods are used to get or set the width and height of an HTML element including the paddings and borders?

- a. outerWidth() and outerHeight()
- b. width() and height()
- c. cssWidth() and cssHeight()
- d. elementWidth() and elementHeight()

167. Which object can be used to exchange data with a server behind the scenes?

- a. XMLHttpRequest

- b. `HttpRequest`
c. `JSONHttpRequest`
d. All of the above
168. What is the syntax of jQuery `fadeIn()` method?
a. `$(selector).fadeIn();`
b. `$(selector).fadeIn(callback, speed);`
c. `$(selector).fadeIn(callback);`
d. `$(selector).fadeIn(speed, callback);`
169. What is the correct syntax to create an `XMLHttpRequest` object?
a. `XMLHttpRequest()` variable
b. `XMLHttpRequest()` variable;
c. variable = new `XMLHttpRequest()`
d. variable = new `XMLHttpRequest();`
170. Which jQuery method is used to create custom animations?
a. `animation()`
b. `slideDown()`
c. `animate()`
d. `SlideAnimate()`
171. Which method cancels the current request?
a. `cancel()`
b. `abort()`
c. `stop()`
d. `pause()`
172. Which are the jQuery methods for traversing up the DOM tree?
a. `parent()`
b. `parents()`
c. `parentsUntil()`
d. All of the above
173. Which method returns the header information?
a. `getAllResponseHeaders()`
b. `getResponseHeaders()`
c. `getHeaderInformation()`
d. `getAllHeaderInformations()`
174. Which is the correct jQuery selector to select all `<div>` elements with class name "new"?
a. `$(".new")`
b. `$("div.new")`
c. `$(".div.new")`
d. `$("div#new")`

175. Which method returns the specific header information?
- a. **getResponseHeader()**
 - b. getSpecifcHeader()
 - c. getHeaderOnly()
 - d. getHeaderInfo()
176. Which jQuery method is used to get the direct parent element of the selected element?
- a. **parent()**
 - b. parents()
 - c. parentsUntil()
 - d. All of the above
177. Which method adds a label/value pair to the header to be sent?
- a. getRequestHeader()
 - b. setAllRequestHeader()
 - c. **setRequestHeader()**
 - d. getAllRequestHeader()
178. What is the correct syntax of animate() method?
- a. **\$(selector).animate({params},speed,callback);**
 - b. \$('#selector).animate({params},speed,callback);
 - c. \$(selector).animate(speed,callback);
 - d. \$(selector).animate({speed,callback,params});
179. Which property holds the status of the XMLHttpRequest?
- a. **readyState**
 - b. holdState
 - c. pauseState
 - d. stopState
180. Which jQuery method is used to get the all ancestor elements of the selected element, all the way up to the document's root element (<html>)?
- a. parent()
 - b. **parents()**
 - c. parentsUntil()
 - d. All of the above
181. Which property returns the response data as a string?
- a. getText
 - b. getResponseText
 - c. **responseText**
 - d. responseAllText
182. Which is the correct jQuery selector to select the first HTML element?

- a. \$("element_name.first")
- b. \$("element_name#first")
- c. \$("element_name::first")
- d. \$("element_name:first")

183. Which property returns the response data as XML data?

- a. getXML
- b. getResponseXML
- c. responseXML
- d. responseAllXML

184. Which jQuery method is used to stop an animation before it is finished?

- a. animate(false)
- b. animate('false')
- c. animate("false")
- d. stop()

185. Which jQuery method is used to get the all ancestor elements between two given arguments?

- a. parent()
- b. parents()
- c. parentsUntil()
- d. All of the above

186. Which property returns the status-number of a request?

- a. statusText
- b. statusXML
- c. status-number
- d. status

187. In jQuery DOM, what does DOM stand for?

- a. Data Object Model
- b. Document Object Manipulation
- c. Document Object Model
- d. Document On Model

188. Which property returns the status-text?

- a. statusText
- b. statusXML
- c. status-number
- d. status

189. Which is the correct jQuery selector to select the first <div> of the HTML document?

- a. \$("div.first")
- b. \$("div#first")
- c. \$("div::first")

d. `$("div:first")`

190. There is a `<pre>` element, write a jQuery statement to get it's parent?

- a. `$("pre").parent();`
- b. `$("pre").parents();`
- c. `$("pre").parentsUntil();`
- d. None of the above

191. "GET is simpler and faster than POST." – Is this statement true?

- a. Yes
- b. No

192. Which jQuery DOM method is used to set or return the text content of selected elements?

- a. `content()`
- b. `text()`
- c. `html()`
- d. `val()`

193. Which is the correct syntax to add HTTP headers to the request?

- a. `setRequestHeader(value, header)`
- b. `setAllRequestHeader(value, header)`
- c. `setRequestHeader(header, value)`
- d. `setAllRequestHeader(header, value)`

194. Which are the jQuery methods for traversing down the DOM tree?

- a. `children()`
- b. `find()`
- c. `childrens()`
- d. Both A. and B.

195. Which is the correct jQuery selector to select the first list item of `` element?

- a. `$("ul li:first")`
- b. `$("ul:first")`
- c. `$("li:first")`
- d. `$("ul.li:first")`

196. How to convert the below statement to the synchronous request?

`$.ajax({url: "info.php", type: "GET", async: true});`

- a. Convert the third parameter to "false"
- b. Convert the third parameter to "sync"
- c. Convert the first parameter to "sync_GET"
- d. All of the above

197. Which jQuery method is used to get all direct children of the selected element?

- a. `children()`

- b. find()
c. childrens()
d. Both A. and B.
198. Which are the two properties to hold the status of XMLHttpRequest?
a. status and statusText
b. statusNum and statusText
c. statusId and statusText
d. None of the above
199. Which jQuery DOM method is used to set or return the content of selected elements (including HTML markup)?
a. content()
b. text()
c. html()
d. val()
200. If the value of status property is 404, what does it mean?
a. OK
b. Forbidden
c. Method Not Allowed
d. Page not found
201. Which jQuery method is used to get descendant elements of the selected element, all the way down to the last descendant?
a. children()
b. find()
c. childrens()
d. Both A. and B.
202. The _____ function is called every time the readyState changes.
a. getreadystatechange
b. onreadystatechange
c. onreadystatechange
d. toreadystatechange
203. Which is the correct jQuery selector to select the first list item of every element?
a. \$("ul li:first-child")
b. \$("ul li:first.*")
c. \$("li:first-child")
d. \$("ul:first-child")
204. What will the following jQuery code do?
\$(document).ready(function(){
 \$("pre").siblings();

});

- a. It will return all parent elements of <pre> element
- b. It will return all children elements of <pre> element
- c. It will return all sibling elements of <pre> element
- d. It will return all nonrelative elements of <pre> element

205. Which jQuery DOM method is used to set or return the value of form fields?

- a. content()
- b. text()
- c. html()
- d. val()

206. Which is the correct jQuery statement to change the color of all <p> elements which are sibling elements of <pre>?

- a. \$("#pre").siblings("p").css({"color": "red"});
- b. \$(".pre").siblings("p").css({"color": "red"});
- c. \$("pre").siblings(".p").css({"color": "red"});
- d. \$("pre").siblings("p").css({"color": "red"});

207. Which method is used to set or get the CSS style attribute?

- a. cssAttribute()
- b. attribute()
- c. attr()
- d. css()

208. Which jQuery method is used to get the next sibling element of the selected element?

- a. sibling()
- b. nextSibling()
- c. next()
- d. siblings()

209. Which is the correct syntax to set the value of a CSS style attribute/property using the css() method?

- a. css("propertyname"="value");
- b. css("propertyname","value");
- c. css("propertyname":"value");
- d. css("propertyname":="value");

210. Which jQuery method is used to get the all next sibling element of the selected element?

- a. siblingAll()
- b. nextSiblingAll()
- c. nextAll()
- d. siblingsAll()

211. Which is the correct jQuery selector to select all elements having "href" attribute?

- a. \$("a.[href]")
- b. \$("a:[href]")
- c. \$("[href].*")
- d. \$("[href]")

212. In Nodejs how node based web servers differ from traditional web servers?

- a. Node based server uses a single threaded model and can serve much larger number of requests compared to any traditional server like Apache HTTP Server.
- b. Node based server process request much faster than traditional server.
- c. There is no much difference between the two.
- d. All of the above

213. Let suppose there are multiple <h3> elements in an HTML document, which is the correct jQuery statement to get the first <h3> element?

- a. \$("h3").first();
- b. \$("h3").parent();
- c. \$("h3").firstParent();
- d. \$("h3").top();

214. Which is the correct jQuery selector to select all <button> elements and <input> elements with type="button"?

- a. \$(".button")
- b. \$("button")
- c. \$("button","input type='button'")
- d. \$("button,input")

215. Let suppose there are multiple <h3> elements in an HTML document, which is the correct jQuery statement to get the last <h3> element?

- a. \$("h3").last();
- b. \$("h3").children();
- c. \$("h3").lastChild();
- d. \$("h3").down();

216. What are the key features of Node.js?

- a. Real time Data intensive
- b. Highly scalable servers for Web Applications
- c. Builds fast and scalable network Applications
- d. All of the above

217. Which of the following is not the feature of jQuery?

- a. Efficient query method for finding the set of document elements
- b. Expressive syntax for referring to elements in the document
- c. Useful set of methods for manipulating selected elements
- d. Powerful functional programming techniques is not used for operating on sets of elements as a group

218. Which of the followings are valid languages for Node.js?
- a. JavaScript
 - b. Java
 - c. C++
 - d. C#
219. What does the min mean in the following JavaScript code?
- ```
<script src="jquery-1.4.2.min.js"></script>
```
- a. Minimised version
  - b. Miniature
  - c. Minimised parameters
  - d. Minimum value
220. Which is the correct jQuery selector to select all even table rows?
- a. \$("tr::even")
  - b. \$("tr.even")
  - c. \$("tr:even")
  - d. \$("tr:#even")
221. Which of the following is true about Node.js?
- a. Node.js is an open source server environment.
  - b. Node.js allows you to run JavaScript on the server.
  - c. Node.js runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.)
  - d. All of the above
222. Which of the following areas, Node.js is not advised to be used?
- a. Single Page Applications
  - b. JSON APIs based Applications
  - c. CPU intensive applications
  - d. Data Intensive Real-time Applications (DIRT)
223. Which is the correct jQuery selector to select all odd table rows?
- a. \$("tr::odd")
  - b. \$("tr.odd")
  - c. \$("tr:odd")
  - d. \$("tr:#odd")
224. Which of the following command is used to install the Node.js express module?
- a. \$ node install express
  - b. \$ install express
  - c. \$ npm install express
  - d. None of the above

225. Which method is used to attach an event handler function to an HTML element on mouse click?
- click()
  - Click()
  - dblclick()
  - DbClick()
226. JSON stands for \_\_\_\_.
- JavaScript Object Notation
  - Java Object Notation
  - JavaScript Object Normalization
  - JavaScript Object-Oriented Notation
227. What is Callback?
- The callback is an asynchronous equivalent for a function.
  - The callback is a technique in which a method calls back the caller method.
  - Both of the above
  - None of the above
228. JSON is a \_\_\_\_ for storing and transporting data.
- xml format
  - text format
  - JavaScript
  - php format
229. Which method is used to attach an event handler function to an HTML element on mouse double click?
- click()
  - Click()
  - dblclick()
  - DbClick()
230. The JSON syntax is a subset of the \_\_\_\_ syntax.
- Ajax
  - Php
  - HTML
  - JavaScript
231. The Node.js modules can be exposed using:
- module
  - exports
  - expose
  - All of the above
232. Who is the creator of JSON?



- a. Alvin Alexander
- b. Rasmus Lerdorf
- c. Douglas Crockford
- d. Jesse James Garrett

**233. Which method is used to attach an event handler function to an HTML element when the mouse pointer enters the HTML element?**

- a. mouseover()
- b. mousevisit()
- c. mouse-enter()
- d. mouseenter()

**234. What does the fs module stand for?**

- a. File System
- b. File Store
- c. File Service
- d. File Sharing

**235. In the JSON syntax, data is separated by \_\_\_\_.**

- a. Semicolons
- b. Colons
- c. Commas
- d. Hyper

**236. Which method is used to attach an event handler function to an HTML element when the mouse pointer leaves the HTML element?**

- a. mouseLeave()
- b. mouseleave()
- c. mouse-leave()
- d. mouseexit()

**237. the JSON syntax, array is written within in \_\_\_\_.**

- a. Square brackets
- b. Curley braces
- c. Paratheses
- d. None of the above

**238. What is the default scope in Node.js application?**

- a. global
- b. local
- c. global function
- d. local to object

**239. Which method is used to attach an event handler function to an HTML element when the left, middle or right mouse button is pressed down, while the mouse is over the HTML element?**

- a. mousedown()
- b. mouseover()
- c. mousepress()
- d. mousekey()

240. Which is the correct symbol to insert a comment in JSON?

- a. //
- b. /\*...\*/
- c. <!-- ... -->
- d. JSON doesn't support the comments

241. Which statement executes the code of demo.js file?

- a. nodejs demo.js
- b. node demo.js
- c. demo.js
- d. run demo.js

242. In the JSON syntax, data is in \_\_\_\_ pairs.

- a. class/object
- b. name/value
- c. datatype/variable
- d. value/=

243. Which method is used to attach an event handler function to an HTML element when the left, middle or right mouse button is released, while the mouse is over the HTML element?

- a. mouseup()
- b. mouseover()
- c. mouseabove()
- d. mousekey()

244. JSON names (keys) require double quotes?

- a. True
- b. False

245. Which of the followings are valid languages for Node.js?

- a. JavaScript
- b. Java
- c. C++
- d. C#

246. JSON names (keys) must be strings?

- a. True
- b. False

247. Which method is used to attach an event handler function to an HTML element when the mouse moves over the HTML elements?
- mousemove()
  - mouseover()
  - hover()
  - mousehover()
248. What is the correct syntax of writing JSON name/value pair, where the value is of string type?
- "name" : "value"
  - "name" : value
  - "name" : 'value'
  - 'name' : 'value'
249. How can we create instance of http module?
- var http = require("http")
  - var http = new require("http")
  - var http = new http()
  - var http=include("http")
250. What is the file type for JSON files?
- .jsn
  - .js
  - .json
  - .jso
251. Which method is used to attach an event handler function to an HTML element when the form field gets focus?
- focused()
  - focuses()
  - focusement()
  - focus()
252. What is the MIME type for JSON text?
- application/json
  - application/jsn
  - xml/json
  - xml/jsn
253. Node.js supports which of the following platform?
- Windows
  - Linux
  - Macintosh
  - All of the above
254. Which is not a JSON data type?

- a. number
  - b. string
  - c. array
  - d. date
255. Ajax is used for creating \_\_\_\_.
- a. Web applications
  - b. Desktop applications
  - c. System applications
  - d. All of the above
256. The undefined is a valid datatype in JSON?
- a. Yes
  - b. No
257. Which method is used to attach an event handler function to an HTML element when the form field loses focus?
- a. blur()
  - b. leave()
  - c. focusleave()
  - d. leavefocus()
258. Which is the correct example of a JSON object with name, age, and city?
- a. {"record":{"name":"Alex", "age":21, "city":"London"}}
  - b. {"record"={"name":"Alex", "age":21, "city":"London"}}
  - c. {"record":{"name":Alex, "age":21, "city":London}}
  - d. {record :{"name":"Alex", "age":21, "city":"London"}}
259. Which methods are used to send a request to a server?
- a. open() and send()
  - b. open() and close()
  - c. send() and close()
  - d. None of the above
260. Which of these is an example of a proper JSON array?
- a. { students:["Alex", "Alvin", "Bobby"] }
  - b. { students={"Alex", "Alvin", "Bobby"} }
  - c. {"students":["Alex", "Alvin", "Bobby"] }
  - d. {"students":{"Alex", "Alvin", "Bobby"}} }
261. In which of the following areas, Node.js is absolutely perfect to use?
- a. I/O bound Applications
  - b. Data Streaming Applications
  - c. JSON API based Applications
  - d. All of the above.

**262. Which of the following statement is valid to use a Node module fs in a Node based application?**

- a. `var fs = require("fs");`
- b. `var fs = import("fs");`
- c. `package fs;`
- d. `import fs;`

**263. Which method is used to attach one or more event handlers for the selected elements?**

- a. `at()`
- b. `atelements()`
- c. `on()`
- d. `focuson()`

**264. Which of the following statement is correct for Node js?**

- a. It is Client Side Language.
- b. It is the Server Side Language.
- c. It is both Server Side and Client Side Language.
- d. None of the above.

**265. In the below statement, what is the type of "student"?**

`{"student":{"name":"Alvin", "age":21, "city":"Mumbai"}}`

- a. String
- b. Array
- c. Object
- d. Class

**266. Node JS is written in \_\_\_\_\_ language**

- a. C++
- b. C
- c. JavaScript
- d. All of the above

**267. Which statement is true?**

- a. All XML elements must have a closing tag
- b. All XML elements must be lower case
- c. All XML documents must have a DTD
- d. All the statements are true

**268. Which of the following is the core module of Node JS**

- a. MongoDB
- b. Express
- c. NPM
- d. `package .json`

269. Values in JSON can be null?  
a. Yes  
b. No
270. What is Callback?  
a. The callback is a technique in which a method calls back the caller method.  
b. The callback is an asynchronous equivalent for a function.  
c. Both of the above.  
d. None of the above.
271. Which of the following extension is used to save the Node.js files?  
a. .js  
b. .node  
c. .java  
d. .txt
272. Well formed XML document means.  
a. It contains a root element  
b. It contain an element  
c. It contains one or more elements  
d. must contain one or more elements and root element must contain all other elements
273. Which of the following is not the built-in module?  
a. http  
b. fs  
c. path  
d. fsread
274. How to create JSON Boolean object?  
a. {"name"=true/false}  
b. {'name':true/false}  
c. {"name":true/false}  
d. {name:true/false}
275. What does fs module stand for?  
a. File Service  
b. File Storing  
c. File System  
d. File Sharing
276. Comment in XML document is given by  
a. <?-- -->  
b. <!-- --!>  
c. <!-- -->  
d. </-- -->



**277. Which of the following method of fs module is used to create file?**

- a. fs.writeFile()
- b. fs.open()
- c. fs.appendFile()
- d. All of the above

**278. A common use of JSON is \_\_\_\_\_.**

- a. to update data into the database
- b. to retrieve data from the database
- c. to exchange data to/from a web server
- d. None of the above

**279. Node js is \_\_\_\_\_.**

- a. Asynchronous
- b. Light Weight
- c. Highly Scalable
- d. All of the above

**280. Which are the main features of XML?**

- a. Text data description
- b. Human- and computer-friendly format
- c. Handles data in a tree structure having one-and only one-root element
- d. All mentioned above

**281. Node js is multithreaded.**

- a. False
- b. True

**282. Which function is used to convert text into a JavaScript object?**

- a. JSON.parse()
- b. string.parse()
- c. object.parse()
- d. All of the above

**283. XML tags are**

- a. case sensitive
- b. case insensitive
- c. complex
- d. none of the above

**284. How node js modules can be created externally?**

- a. module.expose
- b. module.exports
- c. module.spread

- d. None of the above
285. Which function is used to include modules in node js?
- a. **require()**
  - b. include()
  - c. import()
  - d. attach()
286. What does NPM stands for?
- a. **Node Package Manager**
  - b. Node Project Manager
  - c. New Package Manager
  - d. New Project Manager
287. Which function is used to convert a JavaScript object into a string?
- a. JSON.string()
  - b. **JSON.stringify()**
  - c. JSON.ToString()
  - d. All of the above
288. Which command shows the version of npm
- a. **\$ npm – version**
  - b. \$ node –version
  - c. \$ npm getversion
  - d. \$ node getverion
289. What is the syntax of jQuery **fadeToggle()** method?
- a. \$(selector).fadeToggle();
  - b. \$(selector).fadeToggle(callback, speed);
  - c. \$(selector).fadeToggle(callback);
  - d. **\$(selector).fadeToggle(speed,callback);**
290. Which is the correct statement to convert the below given array to string?
- ```
const arr = ["Alex", "Alvin", "Bobby", "Dock"];
```
- a. const json_arr = JSON.string(arr);
 - b. const json_arr = JSON.ToString(arr);
 - c. const json_arr = JSON.ArrayToString(arr);
 - d. **const json_arr = JSON.stringify(arr);**
291. XML is designed to Store and ____ Data.
- a. design
 - b. **transport**
 - c. verify
 - d. none of the above

292. Which PHP function is used to convert PHP objects into JSON?
- json_encode()
 - phpjson_encode()
 - json_string()
 - json_object()
293. What is Node.js?
- File System
 - Programming Language
 - Open-source JavaScript based Framework
 - Visual representation technique
294. Which jQuery method allows fading to a given opacity (value between 0 and 1)?
- fade()
 - fadeOpacity()
 - fadeTo()
 - fadeto()
295. Identify the incorrect statement about Node.js
- Node.js can read, write, create, open and close files on a server
 - Node.js can generate dynamic page content and collect form data from a web page
 - Node.js uses multi-threaded model
 - Node.js provide cross-platform runtime environment
296. Which PHP function is used to convert the request into an object?
- json_decode()
 - phpjson_decode()
 - json_string()
 - json_object()
297. Which of the following code initiates the Node.js file named "file.js" on the command line interface?
- file.js node
 - node file.js
 - Node.js file.js
 - exec file.js
298. XML is a _____ Recommendation.
- Microsoft
 - Sun
 - W3
 - None of the above
299. Which of the following terms does not apply to Node.js?
- Event-driven

- b. JavaScript
c. Non-blocking
d. Heavyweight
300. _____ is a method for sending JSON data without worrying about cross-domain issues.
a. JSON
b. json
c. JSONP
d. JSONP_Encode()
301. Which of the following JavaScript based technology are mainly used for client side Web development
a. JQuery
b. JSON
c. angular JS
d. AJAX
e. All of these
302. JSONP stands for _____.
a. JSON with Packing
b. JSON with Padding
c. JSON with Parsing
d. JSON with Prefix
303. Which statement about Modules in Node.js is false?
a. A module is similar to a JavaScript library with reusable function
b. A module can be saved in a separate JavaScript file
c. A module can work out of its own context and affect the other modules
d. Node.js modules observe the CommonJS standards
304. Which is not a correct name for an XML element?
a. <student>
b. <first name>
c. <lastname>
d. <_student>
305. Consider the below code. What does the req.url statement do?
- ```
var http = require('http');
http.createServer(function (req, res)
{
 res.writeHead(200, {'Content-Type': 'text/html'});
 res.write(req.url);
 res.end('<p> Hello World!</p>');
}).listen(8080);
```
- a. Holds the request object

- b. Holds the information that appears after the domain name in an HTTP request.  
c. Contains the Web address of the request  
d. Holds the response object
306. Does JSON support the Unicode Characters?  
a. Yes  
b. No
307. Which is the correct jQuery statement to fade out a <p> element?  
a. `$("#p").fadeOut();`  
b. `$("##p").fadeOut();`  
c. `$(".p").fadeOut();`  
d. `$("#p").fadeout();`
308. Which keyword is used to give accessibility to properties and methods outside a module file?  
a. Request  
b. response  
c. require  
d. exports
309. Which of the following code will throw an error?  
a. `JSON.parse({"name":"John", "age":30, "city":"New York"});`  
b. `JSON.parse(null);`  
c. `JSON.parse(undefined);`  
d. `JSON.parse('[]');`
310. Which method is used to delete a file?  
a. `rmdir()`  
b. `truncate()`  
c. `unlink()`  
d. `close()`
311. XML has \_\_\_\_ tags.  
a. predefined  
b. custom  
c. both a and b  
d. none of above
312. Which of the following statements about 'w' flag of `open()` method is false?  
a. Opens the file for writing  
b. If the file already exists, it is truncated  
c. If the file already exists, it is deleted  
d. If the file does not exist, it is created
313. What is/are the parameter(s) of the method `JSON.parse()`?

- a. Text
- b. Reviver
- c. Object
- d. Both Text and Reviver

**314. Which is the correct jQuery statement to fade out a <p> element with duration effect "slow"?**

- a. `$("p").fadeOut("slow");`
- b. `$("#p").fadeOut("slow");`
- c. `$(".p").fadeOut("slow");`
- d. `$("p").fadeout();`

**315. Node.js files must be initiated in the?**

- a. Command Prompt
- b. nodejs Editor
- c. Both A and B
- d. None of the above

**316. Which node js method is used to create web-server?**

- a. `createServer()`
- b. `WebServer()`
- c. `CreateWebServer()`
- d. None of these

**317. The order of JSON objects is always preserved?**

- a. Yes
- b. No

**318. Which of the following is NOT Node JS components:**

- a. Node CLI
- b. NPM
- c. package.json
- d. NodeJs

**319. Consider the below partial code. What will be the result of the write operation?**

```
var fs = require("fs");
fs.writeFile('test.txt', 'Node js is easy to learn', function(err) {
 if (err) {
 throw err;
 }
});
```

- a. The content of test.txt will be deleted.
- b. The test.txt will be created if does not exist
- c. The content will be appended in test.txt
- d. The file content will be encrypted.

**320. Which node js method set a header to the response?**

- a. writeHead
- b. setHead
- c. createHead
- d. appendHead

321. XML Element names cannot contain \_\_\_\_ and name can not be used reserved word xml.

- a. spaces
- b. underscore
- c. both a and b
- d. none of the above

322. Which node js method is used to specify the status code and the content type?

- a. writeHead
- b. status
- c. contentType
- d. setHead

323. The \_\_\_\_\_ object is used to get information from a client and send information to server

- a. Request
- b. Response
- c. HTTP
- d. FS

324. How do you represent a JSON array of strings?

- a. { "days" : { "SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT" } }
- b. { "days" = [ "SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT" ] }
- c. { "days" = { "SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT" } }
- d. { "days" : [ "SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT" ] }

325. Which jQuery method is used to slide down an element?

- a. slideBottom()
- b. slideDown()
- c. slidedown()
- d. slide()

326. Which module splits up a web address into readable parts?

- a. FS
- b. HTTP
- c. URL
- d. NPM

327. How do you represent a JSON array of objects?

- a. { "students": { { "name": "Alvin", "age": 21, "city": "Mumbai" }, { "name": "Alex", "age": 24, "city": "Delhi" } } }

- b. `{"students": [{"name": "Alvin", "age": 21, "city": "Mumbai"}, {"name": "Alex", "age": 24, "city": "Delhi"}]}`
- c. `{"students": [{"name": "Alvin", "age": 21, "city": "Mumbai"}, {"name": "Alex", "age": 24, "city": "Delhi"}]}`
- d. `{"students": [{"name": "Alvin", "age": 21, "city": "Mumbai"}, {"name": "Alex", "age": 24, "city": "Delhi"}]}`

328. JSON array elements can be access by \_\_\_\_.

- a. Name
- b. Key
- c. Value
- d. Index

329. In the below statement, what is the type of "sports"?

`{"name": "Alvin", "age": 21, "sports": ["Cricket", "Football", "Running"]}`

- a. string
- b. object
- c. class
- d. attribute

330. The \_\_\_\_\_ object is used to send information from a server to client.

- a. Request
- b. Response
- c. HTTP
- d. FS

331. XML is a \_\_\_\_

- a. programming language
- b. markup language
- c. scripting language
- d. none of the above

332. Which of the following method can append specified content to a file?

- a. `fs.appendFile()`
- b. `fs.open()`
- c. `fs.writeFile()`
- d. None of the above.

333. In the below statement, what is the type of "age"?

`{"name": "Alvin", "age": 21, "sports": ["Cricket", "Football", "Running"]}`

- a. number
- b. int
- c. integer
- d. long



334. Node.js uses an event-driven, non-blocking I/O model. Is it true?  
a. True  
b. False
335. Which jQuery method is used to slide up an element?  
a. slideUp()  
b. slideBottom()  
c. slidebottom()  
d. slide()
336. Which of the following module is required to create a web server?  
a. Uri Module  
b. Net Module  
c. Http Module  
d. Web Module
337. In the below statement, what data type is encoded in the outermost component?  

```
[
 {
 "Name" : "Alex"
 },
 {
 "Course" : "B.Tech"
 }
]
```

  
a. object  
b. array  
c. string  
d. XML
338. How can we create instance of http module?  
a. var http = require("http")  
b. var http = new require("http")  
c. var http = new http()  
d. None of the above
339. Which number types are available in the JavaScript but not supported in the JSON?  
a. Fractional and Rational  
b. Infinity and Rational  
c. Rational and Irrational  
d. Infinity and NaN

### **JSON Objective type Questions and Answers List**

1. JSON name/value pair is written as

- A. name' : 'value'
- B. name = 'value'
- C. name = "value"
- D. "name" : "value"

Ans: D

2. JSON strings have to be in

- A. single quote
- B. double quote
- C. single quote or double quote

Ans:B

3. In the below notation, Employee is of type { "Employee": [ "Amy", "Bob", "John" ] }

- A. Not a valid JSON string
- B. Array
- C. Class
- D. Object

Ans:B

4. Which of the following is not a JSON type?

- A. Object
- B. date
- C. Array
- D. string

Ans:B

5. Which of these is correct about the JSON standard?

- A. It is an open standard
- B. It is privately developed
- C. It requires a license to use

Ans:A

6. What is the file extension of JSON?

- A. .jn
- B. .js
- C. .jsn
- D. .json

Ans:D

7. In modern websites what is the common usage for JSON?

- A. To store information remotely.
- B. To send and receive bits of data.



C. To store information locally.

Ans:B

8. Which of the following code will return a valid JSON object?

A. `JSON.parse('{{"FirstName": "John", "LastName": "Doe"}}');`

B. `JSON.parse("{\"FirstName': 'John', 'LastName': 'Doe'}");`

C. `JSON.parse("{\"FirstName': 'John', 'LastName': 'Doe'}");`

D. `JSON.parse("{\"FirstName": "John", "LastName": "Doe"}');`

Ans:D

9. Which of these is proper a JSON array?

A. `{ "letters" : [ "a", "b", "c"; ] }`

B. `{ 'letters' : { "a", "b", "c" } }`

C. `{ "letters" : [ a, b, c ] }`

D. `{ "letters" : [ "a", "b", "c" ] }`

Ans:D

10. In the below notation, Employee is of type { "Employee": { "Name": "Amy", "Age": 25 } }

A. Object

B. Array

C. Class

D. Not a valid JSON string

Ans:A

11. Which answer represents the following order of TYPES? Object, String, Boolean, Number

A. `{ }`, "a string", "false", "0"

B. `[ ]`, 0, "true", "0"

C. `{ }`, "0", false, 0

D. `{ }`, hello, "false", "0"

Ans:C

12. In this example, what is the TYPE of employee?

`{ "employee" : { "type" : "Director", "functions" : ['sales', 'marketing'] } }`

A. String

B. Director

C. type

D. Object

Ans:D

13. Given this JSON example:

`{ "Employee": { "Name": "Amy", "Age": 25 } }`; What is the type of Employee.Age ?

A. Number

- B. Object
- C. Array
- D. String

Ans:A

14. Which of these is a benefit JSON has over XML?

- A. JSON is more forgiving of poor formatting
- B. JSON has less markup requirements and therefore is lighter than XML
- C. JSON can be written poorly and still be parsed
- D. JSON does not need to be stored in a file to be sent remotely

Ans:B

15. Which statement about the replacer parameter in JSON.stringify() is true?

- A. If null or omitted, all properties of the object are included in the resulting JSON string
- B. If a function, transforms values and properties encountered while stringifying
- C. All three statements are true
- D. If an array, specifies the names of the properties in the object to include in the resulting JSON string

Ans:C

16. What does JSON stand for?

- A. JavaScript Object Nomenclature
- B. JavaScript Objective Notation
- C. JavaScript Object Notation
- D. JavaScript Orientated Nomenclature

Ans:C

17. JSON elements are separated by

- A. semi-colon
- B. line break
- C. comma
- D. white space

Ans:C

18. What keywords are reserved in JSON and cannot be used as keys?

- A. Value
- B. Object
- C. There are none.
- D. Key

Ans:C

19. Which of the following is a valid JSON string?

- A. { "meals" : { "breakfast" , "lunch" , "dinner" } }
- B. { "meals" : [ "breakfast" , "lunch" , "dinner" ] }

- C. [ "meals" : { "breakfast" , "lunch" , "dinner" } ]
- D. [ { "meals" : { "breakfast" , "lunch" , "dinner" } } ]

Ans: B

20. Which of the following code will throw an error?

- A. JSON.parse(null);
- B. JSON.parse('{}');
- C. JSON.parse(undefined);
- D. JSON.parse('');

Ans: C

21. Which statement about the toJSON method is true?

- A. It customizes JSON stringification behavior
- B. It allows an object to determine its own JSON representation
- C. All three statements are true
- D. It is internally called by JSON.stringify()

Ans: C

22. Which of these data interchange formats has seen a decline in usage in favor of JSON?

- A. ASCII
- B. Plain-text
- C. SQL
- D. XML

Ans: D

23. True or false? A disadvantage of JSON is that it requires the use of JavaScript.

- A. False, JSON is language independent.
- B. False, JavaScript must be available although it is not necessary to use.
- C. True, though all browsers have JavaScript enabled.
- D. True, though JavaScript is readily available in today's browsers.

Ans: A

24. Which is true about JSON namespacing?

- A. JSON namespaces can be accessed immediately after receiving data.
- B. JSON namespaces can be accessed after parsing data.
- C. JSON doesn't have namespaces. Though every object is inherently a namespace.

Ans: C

25. What kind of format is JSON, and what does the acronym mean?

- A. A lightweight data-encoding framework. Java Omnipresent Notation.
- B. A lightweight data-interchange format. JavaScript Object Notation.
- C. A lightweight data-interchange format. Java Objective Notion.
- D. A lightweight database framework. JavaScript Object Notation.

Ans: B

26. Can you use a double quote inside a JSON string?

- A. Yes, if you use the ascii code.
- B. Yes, you can use it without any special treatment
- C. Yes, if it is escaped like ( \ " )
- D. No, you should use single quotes

Ans:C

27. In this example, what is the TYPE of employee.functions?

```
{ "employee" : { "type" : "Director", "functions" : ['sales', 'marketing'] } }
```

- A. String
- B. Object
- C. Array
- D. Sales, Marketing

Ans:C

28. Which statement about the reviver parameter in JSON.parse() is true?

- A. All three statements are true
- B. Used to reform generic objects into instances of pseudo-classes
- C. A function that will be called for every key and value at every level of the final result
- D. Each value will be replaced by the result of the reviver function

Ans: A

29. What function will convert a JavaScript object to a JSON string?

- A. JSON.text()
- B. JSON.serialize()
- C. JSON.toString()
- D. JSON.stringify()

Ans: D

30. In this example, what would the VALUE of employee.functions[1] be?

```
{ "employee" : { "type" : "Director", "functions" : ['sales', 'marketing'] } }
```

- A. null
- B. undefined
- C. marketing
- D. sales

Ans: C

31. What is the MIME type of JSON?

- A. application/x-json
- B. text/json
- C. application/json
- D. application/javascript

Ans: C

32. In this example, what is the VALUE of employee.type?

```
{ "employee" : { "type" : "Director", "functions" : ['sales', 'marketing'] } }
```

- A. String
- B. Object
- C. Director

Ans: C

33. In this example, what would the TYPE of employee.hireDate be?

```
{ "employee" : { "type" : "Director", "functions" : ['sales', 'marketing'], "hireDate" : "March 8, 2011" } }
```

- A. March 8, 2011
- B. String
- C. Date
- D. Number

Ans: B

34. What is JSONP meant to mitigate?

- A. Size constraints of JSON
- B. Cross-domain communication
- C. Future proofing JSON as JavaScript changes.

Ans: B

35. True or false? The order of elements in JSON arrays is always preserved.

- A. False
- B. True

Ans: B

36. Which of these is supported as a JSON Value type?

- A. Infinity
- B. Null
- C. Undefined
- D. NaN

Ans: B

37. When coding a string object in JSON, what must separate the string and the value?

- A. A space
- B. A semicolon
- C. A comma
- D. A colon

Ans: D

38. Does JSON support Unicode characters?

- A. No, JSON has no support for any kind of character encoding.
- B. No, JSON only has support for UTF-8 characters.
- C. Yes, JSON has support for Unicode characters. Allowing for almost any information in any human language
- D. Yes, only when stored as the key in a ( key : value ) pair.

Ans: C

39. What is the value of obj in the following code?

```
var obj = JSON.parse({'fruit': 'Apple'}, function(k, v) { if (v == "Apple") return "Orange" else return v; });
```

- A. { "fruit" : "Apple" }
- B. { "fruit" : "Orange" }
- C. { "Orange" }
- D. { "Apple" }

Ans: B

40. In what situation would you want to use XML over JSON?

- A. When JSON is not offered.
- B. When you need to use tags to structure your content.
- C. You need message validation or you're using XSLT.
- D. Never, JSON is worlds better.

Ans: C

41. What is a JSONStringer used for?

- A. It is used to quickly create JSON text.
- B. It quickly converts JSON to Java strings.
- C. It is used to create number strings in JSON.
- D. It is used to create JSON ordered pairs.

Ans: A

42. Which of the following control characters cannot be used when writing a JSON string without escaping?

- A. ; or :
- B. " or \
- C. < or >
- D. / or {

Ans: B

43. What is the value of json in the following code?

```
var days = {}; days['Monday'] = true; days['Wednesday'] = true; days['Sunday'] = false;
var json = JSON.stringify({x: days});
```

- A. {"day":{"Monday":"true","Wednesday":"true","Sunday":"false"}}
- B. {"x":{"Monday":true,"Wednesday":true,"Sunday":false}}
- C. {"day":{"Monday":true,"Wednesday":true,"Sunday":false}}

D. {"x":["Monday":true,"Wednesday":true,"Sunday":false]}

Ans: B

44. How does JSON being "lightweight" translate into a benefit for the site visitors?

- A. Faster transfer times over the internet
- B. Parsing JSON is noticeably faster than parsing XML
- C. Web apps have a smaller footprint

Ans: A

45. What error does JSON.parse() throw when the string to parse is not valid JSON?

- A. ReferenceError
- B. EvalError
- C. SyntaxError
- D. TypeError

Ans: C

46. What two structures is JSON built on?

- A. A collection of name/value pairs, and an ordered list of values, or array.
- B. A collection of object/item pairs, and an ordered list of pairs, or array.
- C. A collection of name/value objects, and an ordered list of objects, or array.
- D. A collection of native-value pairs, and an ordered list of arrays, or values.

Ans: A

47. Which of the following is not a valid way to parse JSON string?

- A. JSON.eval()
- B. JSON.parse()
- C. jQuery.parseJSON()
- D. eval()

Ans: A

48. Does whitespace matter in JSON?

- A. No, it will be stripped out.
- B. Yes, only within strings.
- C. Yes, only outside of strings.
- D. Yes, both inside and outside of strings

Ans: B

49. What is the value of json in the following code?

```
var cars = []; cars[0] = 'Ford'; cars[1] = 'Toyota'; cars[2] = 'BMW'; var json = JSON.stringify({x: cars});
```

- A. {"x":["Ford","Toyota","BMW"]}
- B. {"x":{"Ford","Toyota","BMW"}}
- C. {"x":["Ford","Toyota","BMW"]}
- D. {"cars":["Ford","Toyota","BMW"]}

Ans: C

50. What is the value of json in the following code?

```
var obj = { fruit: 'apple', toJSON: function () { return 'orange'; } }; var json =
JSON.stringify({x: obj});
```

- A. {"x": "orange"}
- B. {"fruit": "apple"}
- C. {"x": "apple"}
- D. {"fruit": "orange"}

Ans: A

51. What types of values can you have in JSON key:value pairs?

- A. Strings, Arrays, and Primitives
- B. Arrays, Primitives, and Objects stored as strings
- C. Strings, Arrays, Primitives and Objects
- D. Strings only

Ans: C

52. What does JSONP stand for?

- A. JSON Procedures
- B. JSON Parsing
- C. JSON with padding
- D. JSON Programming

Ans: C

53. Which of the following code will not throw an error?

- A. JSON.parse("");
- B. JSON.parse(null);
- C. JSON.parse();
- D. JSON.parse({});

Ans: B

54. How does JSON handle numeric values that cannot be represented by a sequence of digits (like Infinity and NaN)?

- A. They are stored as strings and then converted when parsed.
- B. They are not permitted.
- C. They are stored fine but it's the parsers job to convert them to numeric values.

Ans: B

55. Which of the following number formats are not used in JSON?

- A. Octal and gate
- B. Octal and binary
- C. Binary and hexadecimal
- D. Octal and hexadecimal



Ans: D

56. What is used by the JSONObject and JSONArray constructors to parse JSON source strings?

- A. JSTokenizer
- B. JSONParser
- C. JParser
- D. ParserJ

Ans: A

57. Which statement about the space parameter in JSON.stringify() is false?

- A. It controls spacing in the resulting JSON string
- B. All three statements are false
- C. It removes whitespace
- D. It is an optional parameter

Ans: C

58. True or False? The external form of a JSON object always begins and ends with {}

- A. True
- B. False

Ans: A

59. True or False. The order of JSON objects is always preserved.

- A. False
- B. True

Ans: A

**1. JSON stands for \_\_\_\_\_.**

- A. JavaScript Object Notation
- B. Java Object Notation
- C. JavaScript Object Normalization
- D. JavaScript Object-Oriented Notation

**Answer:** A) JavaScript Object Notation

**Explanation:**

JSON stands for JavaScript Object Notation.

---

**2. JSON is a \_\_\_\_\_ for storing and transporting data.**

- A. xml format
- B. text format

- C. JavaScript
- D. php format

**Answer:** B) text format

**Explanation:**

JSON is a text format for storing and transporting data.

---

**3. The JSON syntax is a subset of the \_\_\_\_\_ syntax.**

- A. Ajax
- B. Php
- C. HTML
- D. JavaScript

**Answer:** D) JavaScript

**Explanation:**

The JSON syntax is a subset of the JavaScript syntax.

---

**4. Who is the creator of JSON?**

- A. Alvin Alexander
- B. Rasmus Lerdorf
- C. Douglas Crockford
- D. Jesse James Garrett

**Answer:** C) Douglas Crockford

**Explanation:**

Douglas Crockford is the creator of JSON.

---

**5. In the JSON syntax, data is separated by \_\_\_\_\_.**

- A. Semicolons
- B. Colons
- C. Commas
- D. Hyper

**Answer:** C) Commas

**Explanation:**

In the JSON syntax, data is separated by commas.

---

**6. In the JSON syntax, array is written within in \_\_\_\_.**

- A. Square brackets
- B. Curley braces
- C. Paratheses
- D. None of the above

**Answer:** A) Square brackets

**Explanation:**

In the JSON syntax, array is written within in square brackets.

---

**7. What are the features of JSON?**

- A. Simplicity
- B. Openness
- C. Self-Describing
- D. Internationalization
- E. Extensibility
- F. Interoperability
- G. All of the above

**Answer:** G) All of the above

**Explanation:**

The JSON features are:

- Simplicity
  - Openness
  - Self-Describing
  - Internationalization
  - Extensibility
  - Interoperability
- 

**8. Which is the correct symbol to insert a comment in JSON?**

- A. //

- B. `/*...*/`
- C. `<!-- ... -->`
- D. JSON doesn't support the comments

**Answer:** D) JSON doesn't support the comments

**Explanation:**

JSON doesn't support the comments. But you can add an extra attribute to write the comments.

---

**9. In the JSON syntax, data is in \_\_\_\_ pairs.**

- A. class/object
- B. name/value
- C. datatype/variable
- D. value/=

**Answer:** B) name/value

**Explanation:**

In the JSON syntax, data is in **name/value** pairs.

---

**10. JSON names (keys) require double quotes?**

- A. True
- B. False

**Answer:** A) True

**Explanation:**

It's true that JSON names (key) require double quotes.

---

**11. JSON names (keys) must be strings?**

- A. True
- B. False

**Answer:** A) True

**Explanation:**

It's true that JSON names (keys) must be strings.

---

**12. What is the correct syntax of writing JSON name/value pair, where the value is of string type?**

- A. "name" : "value"
- B. "name" : value
- C. "name" : 'value'
- D. 'name' : 'value'

**Answer:** A) "name" : "value"

**Explanation:**

The correct syntax of writing JSON name/value pair, where the value is of string type:

```
"name" : "value"
```

---

**13. What is the file type for JSON files?**

- A. .jsn
- B. .js
- C. .json
- D. jso

**Answer:** C) .json

**Explanation:**

The file type for JSON files is ".json"

---

**14. What is the MIME type for JSON text?**

- A. application/json
- B. application/jsn
- C. xml/json
- D. xml/jsn

**Answer:** A) application/json

**Explanation:**

The MIME type for JSON text is "application/json".

---

**15. Which is not a JSON data type?**

- A. number
- B. string
- C. array
- D. date

**Answer:** D) date

**Explanation:**

The "date" is not a valid data type.

---

**16. The undefined is a valid datatype in JSON?**

- A. Yes
- B. No

**Answer:** B) No

**Explanation:**

No, "undefined" is not a valid type in JSON.

---

**17. Which is the correct example of a JSON object with name, age, and city?**

- A. { "record":{"name":"Alex", "age":21, "city":"London"}} }
- B. { "record"={"name":"Alex", "age":21, "city":"London"}} }
- C. { "record":{"name":Alex, "age":21, "city":London}} }
- D. { record :{"name":"Alex", "age":21, "city":"London"}} }

**Answer:** A) { "record":{"name":"Alex", "age":21, "city":"London"}} }

**Explanation:**

The correct example of a JSON object with name, age, and city:

```
{ "record":{"name":"Alex", "age":21, "city":"London"}} }
```

---

**18. Which of these is an example of a proper JSON array?**

- A. { students:["Alex", "Alvin", "Bobby"] }
- B. { students=["Alex", "Alvin", "Bobby"] }
- C. { "students":["Alex", "Alvin", "Bobby"] }
- D. { "students":[{"Alex", "Alvin", "Bobby"}] }

**Answer:** C) { "students":["Alex", "Alvin", "Bobby"] }

**Explanation:**

The example of a proper JSON array is:

```
{ "students":["Alex", "Alvin", "Bobby"] }
```

---

**19. In the below statement, what is the type of "student"?**

```
{"student":{"name":"Alvin", "age":21, "city":"Mumbai"}}
```

- A. String
- B. Array
- C. Object
- D. Class

**Answer:** C) Object

**Explanation:**

In the statement: {"student":{"name":"Alvin", "age":21, "city":"Mumbai"}}

The **student** is an **object**.

---

**20. Values in JSON can be null?**

- A. Yes
- B. No

**Answer:** A) Yes

**Explanation:**

Yes, the values in JSON can be null.

---

### 21. How to create JSON Boolean object?

- A. {"name"=true/false}
- B. {'name':true/false}
- C. {"name":true/false}
- D. {name:true/false}

**Answer:** C) {"name":true/false}

#### Explanation:

The syntax to create a JSON Boolean object:

```
{"name":true/false}
```

---

### 22. A common use of JSON is \_\_\_\_\_.

- A. to update data into the database
- B. to retrieve data from the database
- C. to exchange data to/from a web server
- D. None of the above

**Answer:** C) to exchange data to/from a web server

#### Explanation:

A common use of JSON is to exchange data to/from a web server.

---

### 23. Which function is used to convert text into a JavaScript object?

- A. JSON.parse()
- B. string.parse()
- C. object.parse()
- D. All of the above

**Answer:** A) JSON.parse()

#### Explanation:

The **JSON.parse()** function is used to convert text into a JavaScript object.

---

### 24. Which function is used to convert a JavaScript object into a string?



- A. JSON.string()
- B. JSON.stringify()
- C. JSON.ToString()
- D. All of the above

**Answer:** B) JSON.stringify()

**Explanation:**

The **JSON.stringify()** function is used to convert a JavaScript object into a string.

---

**25. Which is the correct statement to convert the below given array to string?**

```
const arr = ["Alex", "Alvin", "Bobby", "Dock"];
```

- A. const json\_arr = JSON.string(arr);
- B. const json\_arr = JSON.ToString(arr);
- C. const json\_arr = JSON.ArrayToString(arr);
- D. const json\_arr = JSON.stringify(arr);

**Answer:** D) const json\_arr = JSON.stringify(arr);

**Explanation:**

The correct statement to convert an array to string is:

```
const arr = ["Alex", "Alvin", "Bobby", "Dock"];
const json_arr = JSON.stringify(arr);
```

---

**26. Which PHP function is used to convert PHP objects into JSON?**

- A. json\_encode()
- B. phpjson\_encode()
- C. json\_string()
- D. json\_object()

**Answer:** A) json\_encode()

**Explanation:**

The PHP function **json\_encode()** is used to convert PHP objects into JSON.

---

**27. Which PHP function is used to convert the request into an object?**

- A. json\_decode()
- B. phpjson\_decode()
- C. json\_string()
- D. json\_object()

**Answer:** A) json\_decode()

**Explanation:**

The PHP function `json_decode()` is used to convert the request into an object.

---

**28. \_\_\_\_\_ is a method for sending JSON data without worrying about cross-domain issues.**

- A. JSON
- B. json
- C. JSONP
- D. JSONP\_Encode()

**Answer:** C) JSONP

**Explanation:**

JSONP is a method for sending JSON data without worrying about cross-domain issues.

---

**29. JSONP stands for \_\_\_\_\_.**

- A. JSON with Packing
- B. JSON with Padding
- C. JSON with Parsing
- D. JSON with Prefix

**Answer:** B) JSON with Padding

**Explanation:**

JSONP stands for JSON with Padding.

---

**30. Does JSON support the Unicode Characters?**

- A. Yes

B. No

**Answer:** A) Yes

**Explanation:**

Yes, JSON supports the Unicode Characters.

---

**31. Which of the following code will throw an error?**

- A. `JSON.parse({'name':"John", "age":30, "city":"New York"})`;
- B. `JSON.parse(null)`;
- C. `JSON.parse(undefined)`;
- D. `JSON.parse('[]')`;

**Answer:** C) `JSON.parse(undefined)`;

**Explanation:**

The following statement will throw an error:

```
JSON.parse(undefined);
```

---

**32. What is/are the parameter(s) of the method `JSON.parse()`?**

- A. Text
- B. Reviver
- C. Object
- D. Both Text and Reviver

**Answer:** D) Both Text and Reviver

**Explanation:**

Both Text and Reviver can be used as the parameters in the `JSON.parse()` function.

---

**33. The order of JSON objects is always preserved?**

- A. Yes
- B. No

**Answer:** A) Yes

**Explanation:**

Yes, the order of JSON objects is always preserved.

---

**34. How do you represent a JSON array of strings?**

- A. { "days" : { "SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT" } }
- B. { "days" = [ "SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT" ] }
- C. { "days" = { "SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT" } }
- D. { "days" : [ "SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT" ] }

**Answer:** D) { "days" : [ "SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT" ] }

**Explanation:**

A JSON array of strings can be represented by the below format/syntax:

```
{ "days" : ["SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT"] }
```

---

**35. How do you represent a JSON array of objects?**

- A. { "students": { {"name": "Alvin", "age": 21, "city": "Mumbai"}, {"name": "Alex", "age": 24, "city": "Delhi"} } }
- B. { "students"= [ {"name": "Alvin", "age": 21, "city": "Mumbai"}, {"name": "Alex", "age": 24, "city": "Delhi"} ] }
- C. { "students"= { {"name": "Alvin", "age": 21, "city": "Mumbai"}, {"name": "Alex", "age": 24, "city": "Delhi"} } }
- D. { "students": [ {"name": "Alvin", "age": 21, "city": "Mumbai"}, {"name": "Alex", "age": 24, "city": "Delhi"} ] }

**Answer:** D) { "students": [ {"name": "Alvin", "age": 21, "city": "Mumbai"}, {"name": "Alex", "age": 24, "city": "Delhi"} ] }

**Explanation:**

A JSON array of objects can be represented by the below format/syntax:

```
{ "students": [{"name": "Alvin", "age": 21, "city": "Mumbai"}, {"name": "Alex", "age": 24, "city": "Delhi"}] }
```

---

**36. JSON array elements can be access by \_\_\_\_.**

- A. Name
- B. Key

- C. Value
- D. Index

**Answer:** D) Index

**Explanation:**

JSON array elements can be accessed by the index. And Array indexing starts with 0.

---

**37. In the below statement, what is the type of "sports"?**

```
{"name": "Alvin", "age": 21, "sports": ["Cricket", "Football", "Running"]}
```

- A. string
- B. object
- C. class
- D. attribute

**Answer:** B) object

**Explanation:**

In the below statement, the type of **sports** is an object:

```
{"name": "Alvin", "age": 21, "sports": ["Cricket", "Football", "Running"]}
```

---

**38. In the below statement, what is the type of "age"?**

```
{"name": "Alvin", "age": 21, "sports": ["Cricket", "Football", "Running"]}
```

- A. number
- B. int
- C. integer
- D. long

**Answer:** A) number

**Explanation:**

In the below statement, the type of **age** is a number:

```
{"name": "Alvin", "age": 21, "sports": ["Cricket", "Football", "Running"]}
```

---

39. In the below statement, what data type is encoded in the outermost component?

```
[
 {
 "Name" : "Alex"
 },
 {
 "Course" : "B.Tech"
 }
]
```

- A. object
- B. array
- C. string
- D. XML

**Answer:** B) array

**Explanation:**

The data type is encoded in the outermost component the given JSON is an **array**.

---

40. Which number types are available in the JavaScript but not supported in the JSON?

- A. Fractional and Rational
- B. Infinity and Rational
- C. Rational and Irrational
- D. Infinity and NaN

**Answer:** D) Infinity and NaN

**Explanation:** The **Infinity** and **NaN** data types are available in the JavaScript but not supported in the JSON.

**1. What does XML stand for?**

- A. eXtra Modern Link
- B. eXtensible Markup Language
- C. Example Markup Language
- D. X-Markup Language

Ans: B

**2. What is the correct syntax of the declaration which defines the XML version?:**

- A. <xml version="A.0" />
- B. <?xml version="A.0"?>
- C. <?xml version="A.0" />
- D. None of the above

Ans: B

**3. Which statement is true?**

- A. All the statements are true
- B. All XML elements must have a closing tag
- C. All XML elements must be lower case
- D. All XML documents must have a DTD

Ans: B

**4. Is it easier to process XML than HTML?**

- A. Yes
- B. No
- C. Sometimes
- D. Cant say

Ans: A

**5. Which of the following programs support XML or XML applications?:**

- A. Internet Explorer 5.5
- B. Netscape D.7
- C. RealPlayer.
- D. both A and B

Ans: D

**6. Kind of Parsers are**

- A. well-formed
- B. well-documented
- C. non-validating and validating
- D. none of the above

Ans: C

**7. Well formed XML document means**

- A. it contains a root element
- B. it contain an element
- C. it contains one or more elements
- D. must contain one or more elements and root element must contain all other elements

Ans: D

**8. Comment in XML document is given by**

- A. <!-- -->
- B. <!-- --!>
- C. <!-- -->
- D. </-- -->

Ans: C

**9. When processing an output XML, "new line" symbols**

- A. are copied into output "as is", i.e. "CR+LF" for Windows, CR for Macintosh, LF for Unix.
- B. are converted to single LF symbol
- C. are converted to single CR symbol

D. are discarded

Ans: B

**10. Which of the following strings are a correct XML name?**

A. \_myElement

B. my Element

C. #myElement

D. None of the above

Ans: A

**11. Which of the following strings are a correct XML name?**

A. xmlExtension

B. xslNewElement

C. XMLElement#123

D. All

Ans: B

**12. Which of the following XML fragments are well-formed?**

A. <?xml?>

B. <?xml version="A.0"?>

C. <?xml encoding="JIS"?>

D. <?xml encoding="JIS" version="A.0"?>

Ans: B

**13. What are the predefined attributes**

A. xml:lang

B. xml:space

C. both

D. none.

Ans: C

**14. Kind of Parsers are**

A. well-formed

B. validating

C. non-validating

D. Both B & C

Ans: D

**15. Valid XML document means (most appropriate)**

A. the document has root element

B. the document contains atleast one or more root element

C. the XML document has DTD associated with it & it complies with that DTD

D. Each element must nest inside any enclosing element property

Ans: C

**16. XML uses the features of**

A. HTML

B. XHTML

C. VML

D. SGML

Ans: D

**17. XML document can be viewed in**

A. IE C.0

B. IE B.0

C. IE 6.0

D. IE X.0

Ans: C

**18. There is a way of describing XML data, how?**



- A. XML uses a DTD to describe the data
- B. XML uses XSL to describe data
- C. XML uses a description node to describe data
- D. Both A and C

Ans: D

**19. What does DTD stand for?**

- A. Direct Type Definition
- B. Document Type Definition
- C. Do The Dance
- D. Dynamic Type Definition

Ans: B

**20. DTD includes the specifications about the markup that can be used within the document, the specifications consists of all EXCEPT**

- A. the browser name
- B. the size of element name
- C. entity declarations
- D. element declarations

Ans: A

**21. Which of the following XML documents are well-formed?**

- A. <firstElement>some text goes here<secondElement>another text goes here</secondElement></firstElement>
- B. <firstElement>some text goes here</firstElement><secondElement> another text goes here</secondElement>
- C. <firstElement>some text goes here<secondElement> another text goes here</firstElement></secondElement>
- D. </firstElement>some text goes here</secondElement>another text goes here<firstElement>

Ans: B

**22. Which of the following XML fragments are well-formed?**

- A. <myElement myAttribute="someValue"/>
- B. <myElement myAttribute=someValue/>
- C. <myElement myAttribute='someValue'>
- D. <myElement myAttribute="someValue' />

Ans: A

**23. How can we make attributes have multiple values:**

- A. <myElement myAttribute="value1 value2"/>
- B. <myElement myAttribute="value1" myAttribute="value2"/>
- C. <myElement myAttribute="value1, value2"/>
- D. attributes cannot have multiple values

Ans: D

**24. Which of the following XML fragments are well-formed?**

- A. <myElement myAttribute="value1 <= value2"/>
- B. <myElement myAttribute="value1 & value2"/>
- C. <myElement myAttribute="value1 > value2"/>
- D. None of the above

Ans: C

**25. The use of a DTD in XML development is:**

- A. required when validating XML documents
- B. no longer necessary after the XML editor has been customized
- C. used to direct conversion using an XSLT processor
- D. a good guide to populating a templates to be filled in when generating an XML document automatically

Ans: A

**26. Parameter entities can appear in**

- A. xml file
- B. dtd file
- C. xsl file

D. Both 1 and 2

Ans: B

**27. Attribute standalone="no" should be included in XML declaration if a document:**

- A. is linked to an external XSL stylesheet
- B. has external general references
- C. has processing instructions
- D. has an external DTD

Ans: D

**28. In XML**

- A. the internal DTD subset is read before the external DTD
- B. the external DTD subset is read before the internal DTD
- C. there is no external type of DTD
- D. there is no internal type of DTD

Ans: A

**29. Disadvantages of DTD are**

- (i) DTDs are not extensible
- (ii) DTDs are not in to support for namespaces
- (iii) there is no provision for inheritance from one DTDs to another

- A. (i) is correct
- B. (i), (ii) are correct
- C. (ii), (iii) are correct
- D. (i), (ii), (iii) are correct

Ans: D

**30. To use the external DTD we have the syntax**

- A. `<?xml version="A.0" standalone="no"?>`  
`<! DOCTYPE DOCUMENT SYSTEM "order.dtd"?>`
- B. `<?xml version="A.0" standalone="yes"?>`  
`<! DOCTYPE DOCUMENT SYSTEM "order.dtd"?>`
- C. `(3 )<?xml version="A.0" standalone="no"?>`  
`<! DOCTYPE DOCUMENT "order.dtd"?>`
- D. `<?xml version="A.0" standalone="yes"?>`  
`<! DOCTYPE DOCUMENT SYSTEM "order.dtd"?>`

Ans: A

**31. To add the attribute named Type to the <customer> tag the syntax will be**

- A. `<customer attribute Type="exelent">`
- B. `<customer Type attribute ="exelent">`
- C. `<customer Type attribute_type="exelent">`
- D. `<customer Type=" exelent" >`

Ans: D

**32. The syntax for parameter entity is**

- A. `<! ENTITY % NAME DEFINITION>`
- B. `< ENTITY % NAME DEFINITION>`
- C. `<! ENTITY $ NAME DEFINITION>`
- D. `< ENTITY % NAME DEFINITION>`

Ans: A

**33. You can name the schema using the name attribute like**

- A. `<schema attribute="schema1">`
- B. `<schema nameattribute="schema1">`
- C. `<schema nameattri="schema1">`
- D. `<schema name="schema1">`

Ans: D

**34. The default model for complex type, in XML schemas for element is**

- A. textOnly
- B. elementOnly
- C. no default type
- D. both 1 & 2

Ans: B

**35. Microsoft XML Schema Data types for Hexadecimal digits representating octates**

- A. UID
- B. UXID
- C. UUID
- D. XXID

Ans: C

**36. A schema describes**

- (i) grammer
- (ii) vocabulary
- (iii) structure
- (iv) datatype of XML document

- A. (i) & (ii) are correct
- B. (i), (iii) , (iv) are correct
- C. (i), (ii), (iv) are correct
- D. (i), (ii), (iii), (iv) are correct

Ans: D

**37. Microsoft XML Schema Data Type “ boolean” has values**

- A. True ,False
- B. True ,False or 1,0
- C. 1,0
- D. any number other then zero and zero

Ans: C

**38. Simple type Built into Schema “ data’ represent a data in**

- A. MM-DD-YY
- B. Dd-MM-YY
- C. YY-MM-DD
- D. YYYY-MM-DD

Ans: D

**39. In simple Type Built into XML schema Boolean type holds**

- A. True, False
- B. 1,0
- C. both A. & B.
- D. True/False and any number except 0

Ans: C

**40. In simple type built into XML schema type float has single precision of \_\_\_\_\_ floating point**

- A. 16 bit
- B. 32 bit
- C. 8 bit
- D. 4 bit

Ans: C

**41. The XML DOM object is**

- A. Entity
- B. Entity Reference
- C. Comment Reference
- D. Comment Data

Ans: B

42. Attribute of the document interface in DOM is/are

- (i)doctype
  - (ii)implementation
  - (iii)documentElement
- which are read only attributes

- A. (i) only
- B. (ii) only
- C. (ii),(iii) only
- D. all

Ans: D

43. The default model for complex type, in XML schemas for element is

- A. textOnly
- B. elementOnly
- C. no default type
- D. both a & b

Ans: B

44. To create a choice in XML schemas, we use the

- A. <xsd:select> element
- B. <xsd:multi> element
- C. <xsd:choise> element
- D. <xsd:single> element

Ans: C

45. The XML DOM object is

- A. Entity
- B. Entity Reference
- C. Comment Reference
- D. Comment Data

Ans: B

46. To create a data island we use the \_\_\_\_\_HTML element

- A. <XML>
- B. <dataisland>
- C. <Island>
- D. <XMLIsland>

Ans: A

47. To Bind the HTML elements with DSO we use \_\_\_\_\_ attribute

- A. DATASOURCE
- B. DATAFIELD
- C. DATASRC
- D. DATAFLD

Ans: A,C

48. To bind the HTML element <INPUT> Type in text with the datasource " dsoCustomer" we use

- A. <INPUT TYPE="TEXT" DATAFIELD="#dsoCustomer">
- B. <INPUT TYPE="TEXT" DATASRC=" dsoCustomer">
- C. <INPUT TYPE="TEXT" DATASRC=" #dsoCustomer" >
- D. <INPUT TYPE="TEXT" DATAFLD=" #dsoCustomer">

Ans: C

49. XML DSOs has the property for the number of pages of data the recordset contains

- A. count
- B. number
- C. pageCount
- D. pageNumber

Ans: C

**50. Whats so great about XML?**

- A. Easy data exchange
- B. High speed on network
- C. Only B.is correct
- D. Both A. & B.

Ans: D

**51. For XML document to be valid**

- A. document need to be well formed also
- B. document need not to be well formed
- C. document need to be well formed & valid
- D. document validity has no relationship with well formedness

Ans: C

**52. A textual object is a well formed XML document if**

- (i) Taken as a whole it matches the production labeled document.
- (ii) Each of the parsed entity which is referenced directly or indirectly within the document can be well formed

- A. (i) is correct
- B. (ii)is correct
- C. both are correct

Ans: C

**53. <?xml version=" A.0" standalone=" yes" encoding="UTF-8" ?>**

- A. it shows that the version is A.0
- B. shows thatit is standalone
- C. the standalone is wrong
- D. version attribute is not in XML

Ans: C

**54. The attribute used to define a new namespace is**

- A. XMLNS
- B. XmlNameSpace
- C. Xmlns
- D. XmlNs

Ans: C

**55. To match the root node in XMLT transform the syntax will be**

- A. <xsl:template match="Document">
- B. <xsl:template match="Root">
- C. <xsl:template match="RootNode">
- D. <xsl:template match=" / ">

Ans: D

**56. To match the specific XML elements child like of parent element is the syntax will be**

- A. <xsl:template match="PLANET\_NAME">
- B. <xsl:template match="PLANET/NAME">
- C. <xsl:template match=" / NAME">
- D. <xsl:template match=" / / ">

Ans: B

**57. PI in XML specification stands for**

- A. C.14
- B. priceless instruction
- C. processing instruction
- D. polymorphic inheritance

Ans: C

**58. A validating XML application should be used when:**

- A. the design demands that all elements use both start and end tags
- B. missing or out-of-place elements could cause application errors
- C. attribute values cannot refer to external entity references
- D. High performance is an important architectural constraint

Ans: B

**59. A DSO operates like**

- (a) data simulation object at server side
- (b) dynamic source object at client side
- (c) data source object at client side
- (d) data simulation object at client side

Ans: C

**60. The XSL formatting object use to format a list is**

- A. list-block
- B. list-item
- C. list-item-body
- D. list-item-label

Ans: A

**61. The attribute used to define a new namespace is**

- A. XMLNS
- B. XmlNameSpace
- C. Xmlns
- D. XmlNs

Ans: C

**62. Identify the most accurate statement about the application of XML:**

- A. XML must be used to produce XML and HTML output.
- B. XML cannot specify or contain presentation information.
- C. XML is used to describe hierarchically organized information.
- D. XML performs the conversion of information between different e-business applications.

Ans: C

**63. The XSL formatting object which formats the data and caption of a table is**

- A. table
- B. table-content
- C. table-text
- D. none of the above

Ans: D

**64. The XSL formatting object which holds the content of the table body**

- A. table
- B. table-body
- C. table-content
- D. table-footer

Ans: B

**65. The XSL formatting object which formats the data in a table**

- A. table
- B. table-body
- C. title
- D. table-content

Ans: A

**66. The XSL formatting object use to hold the content of the label of a list item is**

- A. list-block
- B. list item
- C. list-item-body
- D. list-item-label

Ans: D

**67. The XSL formatting object use to hold the contents of the body of a list item is**

- A. list-block
- B. list item
- C. list-item-body
- D. list-item-label

Ans: C

**68. XSL has formatting object “ block”**

- A. is not supported in XSL
- B. generates a block level reference area
- C. create a display block
- D. groups global declarations for a style sheet

Ans: B

**69. XSL has “ block container” for formating the document**

- A. to create a display block to format the titles
- B. to create a display block to format the paragraphes
- C. to create a display block to format the headlines & figures
- D. to create a block level reference area

Ans: D

**70. The syntax for writing the minimum occurrence for an element is**

- A. <xsd:element ref=” note” min=” 0” />
- B. <xsd:elements ref=” note” min=” 0” />
- C. <xsd:elements ref=” note” minOccurs=”0” />
- D. <xsd:elements ref=” note” minOccurs=” 0” />

Ans: D

**71. The syntax for writing default values for element is**

- A. <xsd:element name=”max” type=” xsd:integer” value=” 100” />
- B. <xsd:element name=”max” type=” xsd:integer” fixValue=” 100” />
- C. <xsd:element name=”max” type=” xsd:integer” default=” 100” />
- D. <xsd:element name=”max” type=” xsd:integer” defaultval=” 100” />

Ans: C

**72. To use XSLT in an XML system:**

- A. the input and output of the XSLT processor must be unparsed XML documents
- B. the input and output of the XSLT processor must be a hierarchical tree representing an XML document
- C. the XSLT processor must be called from a web agent
- D. the XSLT processor must be given the DTD as well as the XML document instance

Ans: B

**73. What is the role of the XPath language in XSL processing?**

- A. XPath identifies the order or path of processing to be followed as the XSL language is processed
- B. XPath identifies locations in XML data to be transformed in the source tree and the locations to be generated in output tree specified in XSL translation prescriptions
- C. XPath identifies the path to be followed in the execution of XSL translation prescriptions
- D. XPath specifies which XSL transform files are to be used in the translation of XML

Ans: B

**74. Which statement correctly describes the capabilities of the XSLT language?**

- A. XSLT uses the DTD to determine how XML documents will be translated
- B. XSLT specifies how a hierarchical trees, representable by an XML document may be translated into non-hierarchical formats
- C. XSLT specifies how a hierarchical tree, representable by an XML document, may be translated into another hierarchical tree, also representable by an XML document
- D. XSLT specifies the formatting style to be used to render an XML document

Ans: C

**75. XSLT processors accept as input:**

- A. an XML conforming document file and an XSLT specification file
- B. only an XML document
- C. only an XSLT specification
- D. either an XML document or an XSLT specification

Ans: A

**76. The transformation of XML document in to another type of document by XSLT can be done by**

- (i) In the server
- (ii) In the client
- (iii) With a separate program

- A. only (i) & (ii)
- B. only (ii) & (iii)
- C. all are correct
- D. only (i) & (iii)

Ans: C

**77: To match the root node in XSLT transform the syntax will be**

- A. `<xsl:template match="Document">`
- B. `<xsl:template match="Root">`
- C. `<xsl:template match="RootNode">`
- D. `<xsl:template match="/" >`

Ans: D

**78: To match the specific XML elements in XSLT the syntax for given name " rootnode" is**

- A. `<xsl:template match=" root">`
- B. `<xsl:template match=" /">`
- C. `<xsl:template match=" rootnode" >`
- D. `<xsl:template match=" /">`

Ans: C

**79. To match the specific XML elements child like of parent element is the syntax will be**

- A. `<xsl:template match="PLANET_NAME">`
- B. `<xsl:template match=" PLANET/NAME" >`
- C. `<xsl:template match=" /NAME">`
- D. `<xsl:template match=" /">`

Ans: B

**80. In XSLT style sheet we have syntax to match elements with id as (if id is " change" )**

- A. `<xsl:template match=" id('change')" >`
- B. `<xsl:template match=" (change)">`
- C. `<xsl:template match=" change">`
- D. `<xsl:template match-id="Change">`

Ans: A

**81. To match the text node (in XSLT) the syntax will be**

- A. `<xsl:template match=" text">`
- B. `<xsl:template match-text=" text">`
- C. `<xsl:template match=text( )>`
- D. `<xsl:template match=" text( )" >`

Ans: D

**82. An element declaration specifies**



- A. a single markup element
- B. zmarkup elements
- C. markup data
- D. the document data

Ans: A

**83. Well formed XML document means(most appropriate)**

- A. it contains a root element
- B. it contain an element
- C. it contains one or more elements
- D. must contain one or more elements and root element must contain all other elements

Ans: D

**84: Which of the following specify that the order and content of "membership" is not important**

- A. <!ELEMENT membership NORULE>
- B. <!ELEMENT membership EMPTY>
- C. <!ELEMENT membership ALL>
- D. <!ELEMENT membership ANY>

Ans: D

**85: Which of the following is used to specify the attribute list of an element**

- A. ATTLIST
- B. ?ATTLIST
- C. !ATTLIST
- D. #ATTLIST

Ans: C

**86: Which of the following instruct the browser which stylesheet to use**

- A. <xml-stylesheet type="text/xsl" href="cd.xsl">
- B. <xml-stylesheet type="text/xsl" xsl="cd.xsl">
- C. <?xml-stylesheet type="text/xsl" href="cd.xsl"?>
- D. <?xml-stylesheet type="text/xsl" xsl="cd.xsl"?>

Ans: C

**88: Which of the following XSLT Patterns is used to match any descendant nodes**

- A. /
- B. //
- C. .
- D. ..

Ans: B

**89: Which of the following XSLT Patterns is used to match the parent node**

- A. /
- B. //
- C. .
- D. ..

Ans: D

**90: Which of the following is a valid XSLT iteration command**

- A. for
- B. for-all
- C. for-each
- D. in-turn

Ans: C

**91. What is an advantage of XML compared to HTML?**

- A. XML works on more platforms.
- B. XML is suited to using Web pages as front ends to databases.
- C. XML was designed for portable phones.
- D. XML is simpler to learn than HTML.

Ans: B

**92. The following best describes the development of XML.**

- A. XML developed from HTML because WEB browsers became more powerful.
- B. XML is designed as a replacement because SGML can not be used for document development.
- C. XML builds on HTMLs ability to provide content to virtually any audience by adding the power of intelligent content.
- D. XML is the modern replacement for HTML and SGML, taking the good points from each, making both of those languages obsolete.

Ans: C

**93. The correct priority for implementing XML based IETMs is :**

- A. Develop DTD, conduct a pilot project, create a modular library, train staff.
- B. Train staff, convert legacy documents, develop DTD, create modular library.
- C. Conduct pilot program, train staff, create modular library, develop DTD
- D. Conduct pilot program, train staff, develop DTD, convert documents, purchase XML tools.

Ans: C

**94. Which of the following statements is true:**

- A. XML is a direct subset of SGML
- B. SGML is an application of HTML
- C. XML is a kind of dynamic HTML
- D. XHTML is XML rewritten in HTML
- 5. SGML and XML are the same thing

Ans: A

**95. What is a qualified name?**

- A. Any name conforming to the XML Names specification
- B. A name having prefix and local name separated by a colon
- C. A name applying only to qualified elements and attributes
- D. None of the above

Ans: C

**96. What is a NCName**

- A. A Non-Common Name
- B. A Non-Conforming Name
- C. A Non-Colonized Name
- D. None of the above

Ans: C

**97. Which of the following statements about XML schemas is incorrect?**

- A. All XML documents must have a schema
- B. Schemas can specify integer values
- C. Schemas are defined by XSD tag
- D. They offer more flexibility than DTDs
- E. Schemas provide data oriented data types

Ans: A

**98. What is the default namespace**

- A. The namespace used by default when no namespace is declared
- B. The namespace used when two or more namespaces are referenced
- C. A namespace that is referenced with the xmlns attribute, but without a prefix
- D. None of the above

Ans: C

**99. What is an XML namespace?**

- A. A set of names applied to specific spaces within an XML document, such as the head and body
- B. A set of names representing a specific XML vocabulary
- C. A set of names for XML documents pertaining to a particular vocabulary
- D. None of the above.

Ans: B

**100. From what set of names do NCNames derive?**

- A. Any combination of characters allowable in XML
- B. Any names conforming to XML Names, minus the colon
- C. Any names for elements and attributes within the DTD to which the namespace refers
- D. None of the above.

Ans: B