

Code: A-1616126-A

I SEMESTER EXAM – 2025-26

3 x 105

Std.: XII

Sub: INFORMATION TECHNOLOGY (97)

Marks: 80

Date:

Roll No.: _____

Time: 2½ Hrs.

Q.1 Fill in the blanks.

[10]

1. Default range for a range control is 0 to _____.
2. _____ keyword is used in JavaScript to create a function.
3. _____ SEO uses techniques that search engine recommends.
4. External stylesheet uses the _____ tag inside the head section.
5. _____ statement is used to make an early exit from a loop.
6. SMO stands for _____.
7. _____ attribute of <audio> tag will start playing the audio as soon as it is ready.
8. An _____ is a special variable which can hold more than one value at a time.
9. _____ SEO includes provision of good content, good keywords selection, giving appropriate page title.
10. The clickable regions in an image map are called as _____.

Q.2 True or False

[10]

1. Read input restriction specifies that an input field cannot be changed.
2. The default statement is mandatory in switch statement.
3. The Class name should not begin with number.
4. Javascript is case sensitive language.
5. Shared hosting is cost effective.
6. NEW keyword is used to create new object in Javascript.
7. The value of usemap attribute of tag is preceded by @ symbol.
8. The length property of string object returns the number of characters in a string.
9. For optimizing a website HTML programs should start with <head> tag.
10. Website's mobile friendliness has become a ranking factor for Google.

Q.3 Multiple Choice Single Answer

[10]

1. _____ is the default value of type attribute of tag.
a. I b. A c. 1 d. Z
2. The index of the first element of an array is _____.
a. 0 b. 1 c. 2 d. 3
3. _____ links are important SEO factors to rank a website higher in search engine.
a. Outline b. Internal c. Inline d. External
4. _____ attribute of <video> tag specifies that video controls such as play/pause buttons should be displayed.
a. control b. autocontrol c. controls d. src
5. _____ method of number object converts the given string into an integer number.
a. parseNum() b. parseInt() c. parseFloat() d. parseDig()
6. _____ input restriction specifies that the user is allowed to enter more than one value in the <input> element.
a. autocomplete b. multiple c. autofocus d. pattern
7. SEO _____ are important words and phrases related to the developed website content.
a. Strings b. Characters c. keywords d. Words

P.T.O

8. To define a circular hotspot the number of coordinates to be given to coords attribute of <area> tag is _____.
a. 3 b. 4 c. 6 d. 2
9. The indexOf() function will return _____ if a specified character is not found in a string.
a. -1 b. 0 c. T d. F
10. _____ are links on one website that when clicked take the user to another site.
a. Forelinks b. Blacklinks c. Hotlinks d. Backlinks

Q.4

Multiple Choice Multiple Answers (2 ANSWERS COMPULSORY)

[20]

1. The float property can have the values none, _____ and _____.
a. top b. left c. bottom d. right e. center
2. _____ occurs when user leaves field or loses focus of an element & _____ occurs when an element gets focus.
a. onblur b. onselect c. onchange d. onfocus e. onreset
3. _____ and _____ are some of the strategies used by Black Hat SEO technique.
a. Well labelled images b. cloaking c. Duplicate content
d. Relevant links & references e. keywords
4. The preload attribute of <video> tag can have the values none, _____ or _____.
a. start b. metadata c. true d. auto e. false
5. _____ and _____ of objects are accessed with • operator.
a. start b. end c. properties d. methods e. events
6. _____ tag defines a definition list and _____ tag is used to define the term's definition.
a. <dc> b. <db> c. <dl> d. <dd> e. <dt>
7. _____ and _____ methods of string object in JavaScript are used for case conversion.
a. toLower() b. toUpper() c. changeCase()
d. toLowerCase() e. toUpperCase()
8. For optimizing websites following two things are recommended, _____ and _____.
a. Use<BODY> b. Use <TITLE> c. Use heading tag <h8>
d. Image with border e. <meta> description tags
9. _____ method of array object adds new elements to end of array and _____ method removes last element of array.
a. push() b. sort() c. find() d.add() e. pop()
10. _____ and _____ are strategies used by White Hat SEO technique.
a. Cloaking b. Standard compliant HTML
c. Relevant links & references d. Duplicate content
e. Stuffed keyword

Q.5

Multiple Choice Multiple Answers (3 ANSWERS COMPULSORY)

[6]

1. _____, _____ and _____ are common video file formats.
a. .webm b. .aac c. .mp4
d. .ogg e. .mp3 f. .jpg
2. _____, _____ and _____ are methods of window object.
a. name b. alert() c. status
d. prompt() e. document f. confirm()

Q.6 Match the following**[4]****A**

1. date picker with year, month and day
2. ceil()
3. floor()
4. date picker with year, month, day, time

B

- a. rounding down
- b. datetime-local
- c. date
- d. rounding up

Q.7 Short Answers (Any 5)**[10]**

1. Write a note on web hosting.
2. Explain load and unload event in JavaScript.
3. Explain how to create Inline Frames.
4. Explain substr() and substring() methods of string object?
5. What is the Robots.txt file used for?
6. Explain the innerHTML property In JavaScript.
7. Write a note on SEO Audit.
8. Write two recommendations for optimizing websites?

Q.8 A) Write a program using HTML to design a Doctor's appointment form. The form should accept name of patient, contact number, email address, date of appointment and submit button.

[5]**OR**

A) Write a program using HTML to display an unordered list listing names of any two IoT devices and an ordered list displaying two emerging technologies. Insert suitable heading aligned to center using CSS.

[5]

B) Write an event driven program in JavaScript to find area of circle. (Formula- πr^2)

[5]**OR**

B) Write an event driven program in JavaScript to print even numbers in the range of 100 to 200. **[5]**