

## Answers

1. Which of the following is the infix expression?

1. **A+B\*C**

2. +A\*BC

3. ABC+\*

4. None of the above

2. Which of the following is correct about constants?

a) To define a constant you have to use define() function.

b) To retrieve the value of a constant, you have to simply specify its name.

**c) Both of the above.**

d) None of the above.

3. Which of the following is used to delete a cookie?

**a) setcookie() function**

b) \$\_COOKIE variable

c) isset() function

d) None of the above.

4. Multi-line comments can be written within the \_\_\_\_.

a) // and //

b) ## and ##

**c)/\* and \*/**

d)/// and ///

5. Which is not a valid variable name in PHP?

a)age

b)\_age

c)PersonAge

**d)lage**

6 What will be the output of the following PHP code?

```
<?php
function myFunction()
{
    $x = 5;
    echo "Result1: $x , ";
}
myFunction();
echo "Result2: $x";
?>
```

- a)Result1: 5 , Result2:
- b)Result1: 5 , Result2: 0
- c)Result1: 5 , Result2: 5
- d)None of the above

7 What will be the output of the following PHP code?

```
<?php
$value1 = NULL;
$value2 = null;

var_dump($value1);
var_dump($value2);

?>
```

- a)Error
- b)NULL undefined
- c)NULL object
- d)NULL NULL

8. Write PHP code to print the following :

```

*
**
***
****
```

9. write code to count all words from any fixed string (you can fix any string).

**Note :** You can make table structure according you for following questions.

10. We have a database table haveing name "Employee". There is a attribute name of which we set length of 500 charecters. It have more then milions of records. Maximum length of stored value is only 200 characters. Now we want to change length of name to 200. write mysql query for the same.

**ALTER TABLE Employee MODIFY COLUMN name varchar2(200);**

11. Write all possble ways to get 2nd highest salary of an employee

**1. select \*from employee where salary=(select Max(salary) from employee);**

**2.SELECT name, MAX(salary) AS salary**

**FROM employee**

**WHERE salary IN**

**(SELECT salary FROM employee MINUS SELECT MAX(salary)**

**FROM employee);**

**3. SELECT name, MAX(salary) AS salary**

**FROM employee**

**WHERE salary <> (SELECT MAX(salary)**

**FROM employee);**

**4. SELECT salary**

**FROM employee**

**ORDER BY salary desc limit n-1,1**

12. display highest salary of each depaertment

**SELECT DEPT\_ID, MAX(SALARY) FROM department GROUP BY DEPT\_ID;**



13. How to create a hyperlink in HTML?

- a) `<a href = "www.amarujala.com "> amarujala.com </a>`
- b) `<a url = "www.amarujala.com " amarujala.com /a>`
- c) `<a link = "www.amarujala.com "> amarujala.com </a>`
- d) `<a> www. amarujala.com < amarujala.com /a>`

14. How to insert an image in HTML?

- a) `<img href = "jtp.png" />`
- b) `<img url = "jtp.png" />`
- c) `<img link = "jtp.png" />`
- d) `<img src = "jtp.png" />`

15. Which of the following attribute is used to provide a unique name to an element?

- a) class
- b) id
- c) type
- d) **None of the above**

16. Write HTML code to choose multiple options for a level.

17. Write HTML code to choose only option from multiple options for a level.

18. What is DOM in HTML?

- a) Language dependent application programming
- b) Hierarchy of objects in ASP.NET
- c) Application programming interface
- d) **Convention for representing and interacting with objects in html documents**

19. Which of the following HTML code will make an image clickable?

- a) `<a href="https://www.xyz.com/">Home Page</a>`
- b) `  
    <a href="https://www.xyz.com/">Home Page</a>  
</img>`

- c) `<a href="https://www.xyzcom/">Home Page</a>  
    `  
d) `<a href="https://www.xyz.com/"></a>`

20. \_\_\_\_\_ CSS property allow to wrap a block of text around an image

- a) wrap
- b) push
- c) **float**
- d) align

21. If we don't want to allow a floating div to the left side of an element, \_\_\_\_\_ CSS property will we use.

- a) Margin
- b) **clear**
- c) float
- d) padding

22. What will be the output of the following code snippet?

```
<script type="text/javascript">  
  a = 5 + "9";  
  document.write(a);  
</script>
```

- a) Compilation Error
- b) 14
- c) **Runtime Error**
- d) 59

23. What will be the output of the following code snippet?

```
(function() {  
  setTimeout(() => console.log(1), 2000);  
  console.log(2);  
  setTimeout(() => console.log(3), 0);  
  console.log(4);  
})();
```

- a) 1 2 3 4
- b) 2 3 4 1
- c) **2 4 3 1**
- d) 4 3 2 1

24. What will be the output of the following code snippet?



```
let sum = 0;
const a = [1, 2, 3];
a.forEach(getSum);
print(sum);
function getSum(ele) {
    sum += ele;
}
```

- a) 6
- b) 1
- c) 2
- d) None of the above**

25. Which of the following are closures in Javascript?

- a) Variables
- b) Functions
- c) Objects
- d) All of the above**

26. When a pop() operation is called on an empty queue, what is the condition called?

- a) Overflow
- b) Underflow**
- c) Syntax Error
- d) Garbage Value

27. Which of the following data structures finds its use in recursion?

- a) Stack**
- b) Arrays
- c) LinkedList
- d) Queues

28. Which of the following can be done with LinkedList?

- a) Implementation of Stacks and Queues
- b) Implementation of Binary Trees
- c) Implementation of Data Structures that can simulate Dynamic Arrays
- d) All of the above**

29. What is the best time complexity we can achieve to precompute all-pairs shortest paths in a weighted graph?

a)  $O(n^3)$

b)  $O(n^2)$

c)  $O(n)$

d)  $O(n^4)$

30. Which of the following is the disadvantage of the array?

a) Stack and Queue data structures can be implemented through an array.

b) Index of the first element in an array can be negative

c) **Wastage of memory if the elements inserted in an array are lesser than the allocated size**

d) Elements can be accessed sequentially.