**(MCQ ) ES5/ES6/TypeScript/Angular**

**Section A**

**No of Question :- 15** Marks :- 35

1. Which are the different Data Types supported by Typescript?

* [**A.**](about:blank) Boolean var bValue: boolean = false
* [**B.**](about:blank) Number var age: number = 16
* [**C.**](about:blank) String var name: string = "jon"
* [**D.**](about:blank) All of the above mentioned

Answer :- D

2.  What are variables in Typescript?

* [**A.**](about:blank) A variable name should contain alphabets and numeric digits
* [**B.**](about:blank) It cannot contain spaces and special characters except underscore (\_) and dollar ($) sign
* [**C.**](about:blank) A variable name cannot begin with a digit
* [**D.**](about:blank) All

Answer :- D

3. What are the variable scopes available in TypeScript?

* [**A.**](about:blank) Global Scope
* [**B.**](about:blank) Class Scope
* [**C.**](about:blank) Local Scope
* [**D.**](about:blank) All of the above

Answer :- D

4. What are the benefits of Typescript?

* [**A.**](about:blank) It helps in code structuring
* [**B.**](about:blank) Use class based object oriented programming
* [**C.**](about:blank) Impose coding guidelines
* [**D.**](about:blank) All of the above

Answer :- D

5. Which object oriented terms are supported by Typescript?

* [**A.**](about:blank) Modules
* [**B.**](about:blank) Classes
* [**C.**](about:blank) Interfaces
* [**D.**](about:blank) All of these

Answer :- D

6. List some features of Typescript?

* [**A.**](about:blank) Typescript can be compiled to all major versions of Javascript(ES3,ES5,ES6,ES7)
* [**B.**](about:blank) Typescript can be used for cross –browser development and is an open source project
* [**C.**](about:blank) Typescript is a superset of JavaScript that provides typed nature to your code

Answer :- C

7. What are the components of TypeScript?

* [**A.**](about:blank) TypeScript Language
* [**B.**](about:blank) TypeScript Compiler
* [**C.**](about:blank) TypeScript Language Service
* [**D.**](about:blank) All of these

Answer :- B

8 What are the types of access modifiers supported by TypeScript?

* [**A.**](about:blank) Public
* [**B.**](about:blank) Private
* [**C.**](about:blank) Protected
* [**D.**](about:blank) All of these

Answer : - D

9. What is the output of the following code ?

function calculate\_discount(price:number,rate:number = 0.50) {

var discount = price \* rate;

console.log("Discount Amount: ",discount);

}

calculate\_discount(1000)

calculate\_discount(1000,0.30)

* [**A.**](about:blank) Discount Amount: 500
* [**B.**](about:blank) Discount Amount: 200
* [**C.**](about:blank) Discount Amount: 100
* [**D.**](about:blank) All of these

Answer :- A

10. What is npm command to install Typescript over the Node ?

* [**A.**](about:blank) ng install –g typescript
* [**B.**](about:blank) npm install –g typescript
* [**C.**](about:blank)  vi install –g typescript
* [**D.**](about:blank) All of these

Answer :- B

Q 11. What is output of the following code ?

class Encapsulate {

str:string = "hello"

private str2:string = "world"

}

var obj = new Encapsulate()

console.log(obj.str)

console.log(obj.str2)

Answer :--

* [**A.**](about:blank) hello world
* [**B.**](about:blank) null
* [**C.**](about:blank)  Complication error ! private can not access outside the scope of class!
* [**D.**](about:blank) none of them

Answer:- C

Q 12.:- What is the output of the following Code ?

class Shape {

Area:number

constructor(a:number) {

this.Area = a

}

}

class Circle extends Shape {

disp():void {

console.log("Area of the circle: "+this.Area)

}

}

var obj = new Circle(223);

obj.disp()

* [**A.**](about:blank)  223
* [**B.**](about:blank) null
* [**C.**](about:blank)  Area of the circle: 223
* [**D.**](about:blank) none of them

Answer :- D

Question 13: What is the output of the following code ?

function calculate\_discount(price:number,rate:number = 0.50) {

var discount = price \* rate;

console.log("Discount Amount: ",discount);

}

calculate\_discount(1000)

calculate\_discount(1000,0.30)

* [**A.**](about:blank)  Discount Amount: 500 // Discount Amount: 300
* [**B.**](about:blank) null
* [**C.**](about:blank) Discount Amount: 50 // Discount Amount: 30
* [**D.**](about:blank) Discount Amount: 100 // Discount Amount: 300

Answer :- A

Question 14 : What is the output of the following code ?

var num = 0;

var count = 0;

for (num = 0; num <= 20; num++) {

if (num % 2 == 0) {

continue;

}

count++;

}

console.log(" The count of odd values between 0 and 20 is: " + count);

* [**A.**](about:blank) The count of odd values between 0 and 20 is: 10
* [**B.**](about:blank) null
* [**C.**](about:blank) The count of odd values between 0 and 20 is: 30
* [**D.**](about:blank) The count of odd values between 0 and 20 is: 110

Answer :- A

Question 15 : Export /Import keyword are using for Module Export/Import in Typescript ?

1. True
2. False

Answer :- A

**Section B (ES5/ES6 Questions :🡪)**

**NO of Question :- 10**

Question 1 : What is the output of the following code ?

(function() {

function log(…params){

console.log(params[0]);

console.log(params);

// implementation of the code

}

log(1,2,3,4,5,6,7,8,9,10,11,12,13);

})();

* [**A.**](about:blank) prints array of Object (params) with value 1
* [**B.**](about:blank) null
* [**C.**](about:blank) print array of Object (params) with value 2
* [**D.**](about:blank) none of them

Answer :- D

Question 2:- What is the output of the following code ?

(function() {

let numbers=[1,5,10,2,4,8,6,7];

console.log(Math.min(...numbers));

})();

* [**A.**](about:blank) 1
* [**B.**](about:blank) 5
* [**C.**](about:blank) undefined
* [**D.**](about:blank) none of them

Answer :- C

Answer :-

Question 3:- What is the output of the following code ?

(function() {

let movies=['The Matrixs','star wars','don'];

// this is destructing syntax

let[favoriate,otherfavoriate,ggg]=movies;

console.log(favoriate);

console.log(otherfavoriate);

console.log(ggg);

})();

* [**A.**](about:blank) The Matrixs star wars don
* [**B.**](about:blank) don The Matrixs wars
* [**C.**](about:blank) undefined
* [**D.**](about:blank) none of them

Answer :- A

Question 4:- Use of const keyword in ES 6 as constant in entire js code ?

1. True
2. False

Answer :- A

Question 5:- var is replaced by let keyword in ES6 code ?

1. True
2. False

Answer :- A

Question 6:- What is the output of the following code ?

let multiply1=(x,y)=>{ return x\*y };

console.time('ES6');

console.log( multiply1(2,3) );

console.timeEnd('ES6');

* [**A.**](about:blank) 6
* [**B.**](about:blank)  7
* [**C.**](about:blank) 9
* [**D.**](about:blank) 9

Answer :- A

**Q 7** - Which built-in method adds one or more elements to the end of an array and returns the new length of the array?

[**A** - last()](about:blank)

[**B** - put()](about:blank)

**C** - push()

[**D** - None of the above.](about:blank)

Answer :- C

**Question 8** - Which of the following function of Number object returns a string value version of the current number in a format that may vary according to a browser's locale settings.?

[**A** - toExponential()](about:blank)

[**B** - toFixed()](about:blank)

**C** - toLocaleString()

[**D** - toString()](about:blank)

Answer :- C

**Question 9 :**Which of the following function of Array object sorts the elements of an array?

[**A** - toSource()](about:blank)

**B** - sort()

[**C** - toString()](about:blank)

[**D** - unshift()](about:blank)

Answer:- B

**Question 10**  - Which of the following type of variable is visible everywhere in your JavaScript code?

[**A** - global variable](about:blank)

[**B** - local variable](about:blank)

[**C** - Both of the above.](about:blank)

[**D** - None of the above.](about:blank)

Answer :- A

**Section C (Angular 8 Questions :🡪)**

**NO of Question :- 10**

Question 1: The decorator allows us to define the pipe name that is globally available for use in any template in the across application.

* [**A.**](about:blank) pipeName
* [**B.**](about:blank) pipeDeco
* [**C.**](about:blank) Pipe
* [**D.**](about:blank) None

Answer : C

Question 2:  If you chain multiple pipes together, they are executed

* [**A.**](about:blank) in parallel
* [**B.**](about:blank) LIFO order
* [**C.**](about:blank) in the order in which you specify them
* [**D.**](about:blank) None of above

Answer : C

Question 3 : **Router is part of which of the following module?**

* A - @angular/core
* B - @angular/router
* C - Both
* D - None of above

Answer : B

Question 4: -**Which of the following is not a hook application life cycle?**

* A - ngOnChanges
* B - ngViewStart
* C - ngOnInit
* D - None of above

Answer :- B

**Question 5; What does AOT stand for?**

* A - ahead-of-time compilation
* B - Angular Object Templates
* C - Both
* D - None of above

Answer :- A

**Question 6 interpolation Angular 8 is done using?**

• A {{}}

• B {{|var}}

• C {{{}}}

• D !!!!

Answer :- A

**Question 7: What is decorator used for Configuring your Module Class ?**

A.@NgModule

B @NgApp

C @NgAngular

D.@NgConfigure

Answer :- A

Question 8: Which of the following is not built-in pipe in Angular?

* [**A.**](about:blank) DatePipe
* [**B.**](about:blank) CurrencyPipe
* [**C.**](about:blank) DataPipe
* [**D.**](about:blank) PercentPipe

Answer :- C

Question 9 : How would you retrieve a list of items from a server's URL?

* [**A.**](about:blank) Create a URL transaction
* [**B.**](about:blank) Use the HTTP get method
* [**C.**](about:blank) Create a get SQL statement
* [**D.**](about:blank) Use an HTTP package

Answer :- D

Question 10 @Directive ….Decorator are using to create in angular 8 ?

* [**A.**](about:blank) Custom Directive
* [**B.**](about:blank) Custom Pipe
* [**C.**](about:blank) Custom Service
* [**D.**](about:blank) Custom Component

Answer : A