

OOPS – OBJECT ORIENT PROGRAMMING CONCEPTS

1. Which feature of OOP indicates code reusability?

- A. Abstraction
- B. Polymorphism
- C. Encapsulation
- D. Inheritance

2. Which feature of OOP is indicated by the following code?

```
class student{ int marks; };
```

```
class topper:public student{ int age; topper(int age){ this.age=age; } };
```

- A. Encapsulation and Inheritance
- B. Inheritance and polymorphism
- C. Polymorphism
- D. Inheritance

3. What is encapsulation in OOP?

- 1. It is a way of combining various data members and member functions that operate on those data members into a single unit
- 2. It is a way of combining various data members and member functions into a single unit which can operate on any data
- 3. It is a way of combining various data members into a single unit
- 4. It is a way of combining various member functions into a single unit

4. Which of these inheritances is shown in case we inherit some base class from another class, then one of the classes derives it?

- A. Single

B. *Multiple*

C. *Multi-level*

D. *Hierarchical*

5. Which class/ or set of classes can describe the concept of polymorphism in the following code?

```
abstract class student_details {  
    public : int marksofstudent;  
    calculate_grade();  
}  
  
class topper:public student_details {  
    public : calculate_grade()  
    {    return 15;  
    }  
};  
  
class average:public student_details {  
    public : calculate_grade()  
    {    return 30;  
    }  
};
```

class failed { int marksofstudent; };

- A. *Only the student_details class can show the concept of polymorphism*
- B. *The class which is 'failed' should also inherit class student for this code to work for polymorphism*
- C. *The student_details, topper and average classes together can show the concept of polymorphism*
- D. *Only the student_details and topper class together can show the concept of polymorphism*

MVC – MODEL VIEW CONTROLLER

- 6. *Which namespace is used for ASPX View Engine?*
 - A. *System.Web.Razor*
 - B. *System.Web.Mvc.WebFormViewEngine*
 - C. *Both A & B*
 - D. *None*

- 7. *Attributes can be used for data validation in MVC ?*
 - A. *DataAnnotations*
 - B. *Fluent API*
 - C. *DataModel*
 - D. *HtmlHelper*

8. You are adding a reporting vertical to an enterprise application. Many of the reports will be run every morning by a set of users. Some of the reports will be identical as every member of a team will get the same report sometime in the morning. What kind of caching will provide an improvement in performance?

- A. Data caching
- B. Page output caching with duration of two minutes
- C. Page output caching with duration of four hours
- D. Windows AppFabric caching
- E. A, C and D
- F. All of the above

9. You are creating an ASP.NET MVC web application. The application accepts phone number input through the applications form. When viewing the source from a browser, you find the following code: What Razor syntax code segment was used?

PhoneNumber: <input id="text1" name="phoneNumber" size="10" type="text" value="" />

- A. `PhoneNumber: <input id="phoneNumber" name="phoneNumber" size="10" type="text" value="3125551212" />`
- B. `@Html.EditorFor(model → model.PhoneNumber)`
- C. `PhoneNumber: @Html.TextBox("phoneNumber", Request["phoneNumber"], new { @placeholder = "3125551212" })`

D. `PhoneNumber: @Html.TextBox("phoneNumber", Request["phoneNumber"], new { size = 10 })`

E. *C and A both*

F. *All of the above*

10. *You are developing an ASP.NET MVC 2 application. A view contains a form that allows users to submit their first name. You need to display the value that is submitted, and you must ensure that your code avoids cross-site scripting. Which code segment should you use?*

A. `<% Response.Write(HttpUtility.HtmlDecode(Model.FirstName)) %>`

B. `<%: Model.FirstName %>`

C. `<%= Model.FirstName %>`

D. *Both B & C will work*

E. *A and D*

F. *F - All of the above*

11. *Which is the best approach to assign a session in MVC?*

A. `System.Web.HttpContext.Current.Session["LoginID"] = 7;`

B. `Current.Session["LoginID"] = 7;`

C. `Session["LoginID"] = 7;`

D. *None*

12. *Which is the way to render Partial View using ASP.Net MVC Razor Engine?*

A. `@Html.Partial("_PartialHeader")`

B. `@Html.PartialView("_PartialHeader")`

C. `@Html.PartialHtml("_PartialHeader")`

D. *B and C*

E. *None*

13. How to check Request coming from which controller using MVC ASP.Net?

- A. `var _controller = HttpContext.Current.Request.RequestContext.Values["Controller"].ToString();`
- B. `var _controller = HttpContext.Current.Request.RequestContext.RouteData.Values["Controller"].ToString();`
- C. `var _controller = RouteData.Values["Controller"].ToString();`
- D. None

14. Which is the name of default Viewstart Page in ASP.Net MVC ?

- A. `_ViewStart.cshtml`
- B. `_Login.cshtml`
- C. `_Layout.cshtml`
- D. None

15. What is the correct syntax to create ASP.NET Calendar control?

- A. `< asp:Calendar ID="Calendar1" runat="server" SelectedDate="2022-0S-04"></asp:Calendar>`
- B. `< asp:Cal ID="Calendar1" runat="server" SelectedDate="2022-0S-04"></asp:Cal>`
- C. `< asp_net:Calendar ID="Calendar1" runat="server" SelectedDate="2022-0S-04"></asp_net:Calendar>`
- D. `< asp:Calendar CAL_ID="Calendar1" runat="server" SelectedDate="2022-0S-04"></asp:Calendar>`

HTML + CSS

16. *What are those objects called which are used for storing data on the client provided by the HTML local storage?*

- A. *Windows.localStorage*
- B. *Windows.sessionStorage*
- C. **Both A and B**
- D. *None*

17. *Which is the correct HTML statement to define the red color of the paragraph text?*

- A. `<p style="color: #ff0000;">`
- B. **`<p style="color: red;">`**
- C. *Both A. and B.*
- D. *None of the above*

18. *Which is the correct HTML statement to display H₂O in a paragraph?*

- A. `<p>H²O</p>`
- B. `<p>H<ins>2</ins>O</p>`
- C. `<p>H<below>2</below>O</p>`
- D. **`<p>H₂O</p>`**

19. *What is the correct syntax for <iframe> tag?*

- A. `<iframe href="url" title="description"></iframe>`
- B. `<iframe link="url" title="description"></iframe>`
- C. **`<iframe src="url" title="description"></iframe>`**

D. All of the above

20. Which of the following is not a difference between HTML and XHTML?

A. Charset in both html and xhtml is "text/html"

B. Tags and attributes are case-insensitive in HTML but not in XHTML

C. Special characters must be escaped using character entities in XHTML unlike HTML

D. Charset in html is "text/html" where as in xhtml it is "application/xml+xhtml"

21. What is the correct syntax of web address?

A. port://domain.filename:port/path/scheme/prefix

B. prefix://scheme.port:domain/filename/path

C. path://prefix.port:domain/filename/scheme

D. scheme://prefix.domain:port/path/filename

22. What is the correct syntax for referring an external CSS?

A. <link rel="stylesheet" type="text/css" href="mystyle.css">

B. <stylesheet rel="stylesheet" type="text/css" href="mystyle.css">

C. <style rel="stylesheet" type="text/css" href="mystyle.css">

D. All of the above

23. Which CSS property specifies an image as the list item marker?

A. list-style-image

B. list-style-picture

C. list-style-background

D. list-style-bgimage

24. Which Of The Following Is Correct About Bootstrap Jumbotron?

- A. *This Component Can Optionally Increase The Size Of Headings And Add A Lot Of Margin For Landing Page Content.*
- B. *To Use The Jumbotron: Create A Container*
- C. *With The Class Of .jumbotron.*
- D. ***Both A And B***
- E. *None Of The Above*

25. *Which class provides a responsive fixed width container in bootstrap?*

- A. *container-fixed*
- B. ***container***
- C. *container-fluid*
- D. *None of above*

26. *Which of the following is correct HTML for inserting an image?*

- A. *<image source= "www.ggsh.com/admin.jpg" alt= "Objective Books" />*
- B. ******
- C. **
- D. *www.ggsh.com/admin.jpg*

27. *Which is correct CSS statement to define blue background color with opacity?*

- A. ***background-color: rgba(0, 0, 255, 0.3)***
- B. *background-color: rgba(0, 0, 255, 255)*
- C. *background-color: rgba(0, 255, 255, 0.3)*

D. `background-color: rgba(0, 0, 1, 0.3)`

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

A. ` ggsh home Page`

B. ``

` ggsh Home Page`

``

C. ` ggsh Home Page`

``

D. ``

29. Which of the following methods must empty the list of sub paths so that the context once again has zero sub paths?

A. `closePath()`

B. `beginPath()`

C. `moveTo(x, y)`

D. `endPath()`

30. Which attribute defines numbers of columns in a group?

A. `width=multi-length[CN].`

B. `span=number[CN].`

C. `scope=scope-name[CN].`

D. `headers=idrefs[CS].`

JAVASCRIPT

31. The behaviour of the document elements can be defined by ?

A. *Using document object*

B. *Registering appropriate event handlers*

C. *Using element object*

D. *Using data element*

32. *Client-side JavaScript code is embedded within HTML documents in ?*

A. *A URL that uses the special javascript:encoding*

B. *A URL that uses the special javascript:stack*

C. *A URL that uses the special javascript:protocol*

D. *A URL that uses the special javascript:code*

33. *What will be the output of the following JavaScript code?*

```
<p id="demo"></p>
```

```
<script>
```

```
var carName = "Volvo";
```

```
var carName;
```

```
document.getElementById("demo").innerHTML = carName;
```

```
</script>
```

A. *Error*

B. *Undefined*

C. *Volvo*

value

34. *What will be the output of the following JavaScript code?*

```
<p id="demo2"></p>
```

```
<script>
```

```
Var arr = ["one", "two", "three",];
```

```
arr.shift();  
document.getElementById("demo2").innerHTML = arr;  
</script>
```

A. two three

B. one two

C. one three

D. error

35. The blobs are generally stored in?

A. Memory

B. Disk

C. Both Memory and Disk

D. Temporary storage

36. A Blob URL can be created using which of the following function ?

A. createURL()

B. createObjectURL()

C. designURL()

D. URLCreation()

37. What will happen when the data of the jQuery.cache is read from an element?

A. Unique number is retrieved as elem[jQuery.expando]

B. Data is read from jQuery.cache[id]

C. Unique number is retrieved as elem[jQuery.expando] & Data is read from
jQuery.cache[id]

D. *Data is cleared from `jQuery.cache[id]`*

38. *Which object serves as the global object at the top of the scope chain?*

A. *Hash*

B. *Property*

C. *Element*

D. *Window*

39. *The inner frame within a top-level window can be referred to as ?*

A. *parent(parent)*

B. *parent.parent*

C. *parent*parent*

D. *parent/parent*

40. *What is the returning value of the `getContext()` method ?*

A. *Drawing model*

B. *CanvasRenderingContext2D object*

C. *Context2D object*

D. *Container*

41. *What will be the output of the following JavaScript code?*

`<p>1</p>`

`<p>2</p>`

`<p>3</p>`

`function myFunction()`

`{`

```
var x=document.getElementsByTagName("P").item(0);  
alert(x.innerHTML);  
}
```

A. 1

B. 2

C. 3

D. Error

42. Why is the `replace()` method better than the `assign()` method?

A. Reliable

B. Highly manageable

C. More efficient

D. Handles unconditional loading

43. What will be the output of the following JavaScript code ?

```
<head id="myHead">  
<title>My title</title>  
</head>  
<p id="demo"></p>  
<script>  
function myFunction()  
{  
    var x=document.head.id;  
    document.getElementById("demo").innerHTML=x;  
}  
</script>
```

A. demo

B. *myHead*

C. *error*

D. *undefined*

44. Which is the correct syntax to write an AngularJS expression using the *ng-bind* directive?

A. *ng-bind="expression"*

B. *ng-bind={expression}*

C. *ng-bind={"expression"}*

D. *ng-bind="{{expression}}"*

45. what will be the output of below Angular JS syntax?

```
<div ng-app="" ng-init="cities=['Mumbai','New Delhi','Banglore']">
```

```
<p>The cities...</p>
```

```
<ul>
```

```
<li ng-repeat="c in cities">
```

```
"Hello" {{ c }}
```

```
</li>
```

```
</ul>
```

```
</div>
```

A. Prints the city names with "Hello" in an unordered list

B. Prints the city names with "Hello" in an ordered list

C. Prints the all name of the city with "Hello" 3 times in an unordered list

D. None of the above

