1. What are the superglobal arrays in PHP?
2. List and briefly describe the 3 ways you can limit the types and size of file uploaded.
3. Describe why hidden form fields can easily be forged/changed by an end user.
4. Illustrate how Error Handling and Validation is done in PHP with suitable example
5. Demonstrate reading and writing of file in PHP with suitable example
6. What is web storage in HTML5? How does it differ from HTTP cookies?
7. In PHP, What are sessions? How are sessions stored between requests?
8. Illustrate with an example how can we add methods to existing classes, like String or array?
9. Explain AJAX get and post requests.
10. Define constructor and discuss the concepts of inheritence,polymorphism and object interface with respect to OOP.
11. How do you achieve data encapsulation in PHP? Give example
12. Write a PHP program to create a class STUDENT with the following specification.

Data members : Name, Roll number, Average marks

Member function : Read(getters) and write (setters)

1) Use the above specification to read and print the information of 2 students

20. Explain why managing state is a problem in web applications.

21. Construct DTD for the following XML code.

<?XML version = “1.0” encoding = “ISO – 8859 – 1”?>

<art>

<painting id = “290”>

<title> Balcony </title>

<artist>

<name> Manet</name>

<nationality> France</nationality>

</artist>

<year> 1868 </year>

<medium> oil on canvas </medium>

</painting>

</art>

23. With suitable PHP scripts, explain creating and reading cookies

24. List all jquery selectors,explain any two with suitable examples

25.Explain loading and processing an XML document in javascript

26.Explain converting a JSON string to JSON object in javascript and a PHP object in PHP

27 Illustrate Serialization in PHP with suitable example.

28 Explain SOAP and RESET web services with a neat diagram

29 Discuss caching in the context of web applications.Explain the two types of caching. What benefit does it provide?

30.Write a short note on

1) prototypes in Javascript

2)Backbone.js MVC framework.