Advanced Web Technology

UNIT-1 Question Bank

1. What is Bootstrap?
2. What are the advantages of Bootstrap?
3. What is a Bootstrap Container, and how does it work?
4. What are the default Bootstrap text settings?
5. Write the code to create the textbox using HTML and create responsive using Bootstrap.
6. What do you know about the Bootstrap Grid System?
7. Explain about Typography in Bootstrap.
8. Give any three names of Bootstrap color classes.
9. Give any three names of Bootstrap background color classes.
10. How to create a simple table using HTML and Bootstrap 4?
11. How to round corners of image using Bootstrap 4?
12. Illustrate alters in Bootstrap 4. Explain with an example
13. How to Create a Tooltip using Bootstrap 4?
14. Give the name of all classes of Bootstrap Grid system and explain with an example.
15. What is the difference between Bootstrap 4 and Bootstrap 5?
16. What is a Button Group, and what is the class for a basic Button Group?
17. How to create button in bootstrap 4? Define any five names of button classes.
18. What is a breadcrumb in Bootstrap?
19. How can you use Bootstrap to make thumbnails?
20. In Bootstrap, what are the two codes for displaying code?
21. What is a lead?
22. Illustrate about Dropdowns using Bootstrap 4.
23. How to create Accordion using HTML and Bootstrap 4?
24. What is Navigation Menus. How to create Navigation Menus using HTML and Bootstrap 4?
25. Explain about Form inputs in Bootstrap 4.
26. How many types of Form inputs in Bootstrap 4? Explain with an example.
27. In Bootstrap, how do you make navigation elements?
28. What contextual classes can be used to style the panels?
29. How can one create an alert in Bootstrap?
30. What is a bootstrap card and how would you create one?
31. Discuss Bootstrap table and various classes that can change the appearance of the table.
32. Write the HTML code to create a basic toast.
33. What is the media object in Bootstrap and what are their types?
34. How would you implement a carousel in bootstrap?
35. What do you mean by the Bootstrap well?
36. What are Glyphicons?
37. What is bootstrap pagination and how are they classified?
38. What are badges? Which class will you use to make your badge look more rounded?
39. Explain why Bootstrap is preferred for website development.
40. What are the key components of Bootstrap?
41. List some features of Bootstrap.
42. What are Class loaders in Bootstrap?
43. How many types of layout are available in Bootstrap?
44. Give an example of a basic grid structure in Bootstrap.
45. Why do we use Jumbotron in Bootstrap?
46. How do you make images responsive?

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UNIT-2 Question Bank

Sr. No.	Questions	Marks
1	What is jQuery?	2
2	What are jQuery Selectors? Give one examples.	2
3	What are the advantages of JavaScript?	2
4	What are the advantages of jQuery?	2
5	Illustrate the disadvantages of JavaScript.	2
6	Why should we use JQuery, explain?	2
7	Where to add jQuery library in HTML document?	2
8	How to link JQuery library write syntax.	2
9	Create dropdownList using HTML and validate using jQuery.	2
10	Create textbox using HTML and validate using jQuery.	2
11	Create radio button using HTML and validate using jQuery.	2
12	Write JQuery Syntax with an example.	2
13	What is $ symbol in JQuery?	2
14	Explain about JQuery selectors with an example.	2
15	Write Key differences between JavaScript and JQuery.	5
16	What is JQuery CDN?	2
17	What is element selector?	2
18	Write a function to add two numbers.	2
19	Which tag used to add jQuery code on web page.	2
20	Explain about id selector with an example.	5
21	Explain about class selector with an example.	5
22	What do you understand by JQuery library?	2
23	What do you understand by JQuery CDN?	2
24	Define JQuery Events, give five names of JQuery Events.	5
25	What is the purpose of JQuery Hide and Show methods?	5
26	Explain about hide method with an example.	5
27	Explain about show method with an example.	5
28	What are the methods used to provide effects?	2
28	Difference between .empty() & .remove() in Jquery?	5
30	jQuery is a JavaScript library or JSON library file?	2
31	What are the various ajax functions available in Jquery?	5
32	Features of jQuery which are used in web applications?	5
33	Explain about different JQuery effects.	5
34	Explain hide() method of JQuery with an example.	5
35	Explain show() method of JQuery with an example.	5
36	Explain fadeIn() method of JQuery with an example.	5
37	Explain fadeOut () method of JQuery with an example.	5
38	Explain fadeToggle () method of JQuery with an texample.	5
39	Explain fadeTo () method of JQuery with an example.	5
40	Explain slideDown () method of JQuery with an example.	5

42	Explain fadeUp () method of JQuery with an example.	5
43	Explain slideToggle () method of JQuery with an example.	5
44	Explain animate () method of JQuery with an example.	5
45	Explain stop () method of JQuery with an example.	5
46	What is Document Object Model Explain with an example?	5
47	How to get content in a webpage explain with a suitable example?	5
48	Explain text () & html () method of JQuery with an example.	5
49	Explain val () method of JQuery with an example.	10
50	How to set content in a webpage explain with a suitable example?	5
51	Create registration form using HTML and CSS and validate form using jQuery.	10
52	Explain append () & prepend () method of JQuery with an example.	10
53	Explain after () & before () method of JQuery with an example.	10
54	Explain remove () & empty () method of JQuery with an example.	10
55	Explain addClass () & removeClass () method of JQuery with an example.	10
56	Create a student registration form using HTML and CSS. Registration Form should have following fields: Student name, student id, course name, gender, subjects, email id, contact no. and validate each filed using jQuery.	10

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UNIT-3 Question Bank

1. What is MongoDB?   2
2. Give one name of NoSQL database.   2
3. Write the syntax to create a database in MongoDB.   2
4. Write the syntax to drop a database in MongoDB.   2
5. Write the syntax to create collection in MongoDB.   2
6. Write the syntax to drop collection in MongoDB.   2
7. Write the syntax to insert one document in MongoDB.   2
8. Write the syntax to delete one document in MongoDB.   2
9. Write the syntax to insert many document in MongoDB.   2
10. Write the syntax to delete many document in MongoDB.   2
11. Write the syntax to update a document in MongoDB.   2
12. In which format data is stored in MongoDB?   2
13. How to show list of databases in MongoDB?   2
14. How many methods in MongoDB to insert data in collections?   2
15. What is the difference between RDBMS and MongoDB?   5
16. Explain the need of NoSQL database.   5
17. List the advantages of MongoDB.   5
18. List the disadvantages of MongoDB.   5
19. Explain create operations in MongoDB with an example.   5
20. Explain read operations in MongoDB with an example.   5
21. Explain update operations in MongoDB with an example.   5
22. Explain delete operations in MongoDB with an example.   5
23. Explain projection method in MongoDB with an example.   5
24. How to create database, drop database, create collection, drop collection, create document, explain with an example?   10
25. Explain with an example about MongoDB datatypes: String, Integer, Arrays, Object, Date.   10
26. Write short note on (i) insertOne() (ii) updateOne() deleteOne() (ii) find()   10
27. Create a MongoDB database and create one collection in this database and insert five student's data in this collection:
   student_name, student_id, course_name, Email_id, contact_no.   10

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UNIT- 4 Question Bank

Sr. No.	Question	Marks
1	What is AJAX?	2
2	Why use AJAX?	2
3	Write the Full form of AJAX.	2
4	Write any two advantages of AJAX.	2
5	Write any two disadvantages of AJAX.	2
6	Write any two famous applicaton names which are using AJAX.	2
7	Create XMLHttpRequest Object.	2
8	What is XMLHttpRequest Object.	2
9	Write the use of XMLHttpRequest Object.	2
10	Write the Full form of XML.	2
11	Write the syntax of AJAX.	2
12	What is JSON?	2
13	Write any two uses of JSON.	2
14	Write the syntax of JSON.	2
15	Give one example of JSON.	2
16	Give one example of XML.	2
17	Write the syntax to load JSON data using jQuery.	2
18	Give one example of JSON Array.	2
19	What is the use of JSON.parse() ?	2
20	Write the syntax to parsing JSON.	2
21	What is the use of JSON. stringify () ?	2
22	Explain AJAX with an example.	5
23	Write a program to demonstrate XMLHttpRequest Object.	5
24	What is AJAX Request, explain with an example?	5
25	What is AJAX Response, explain with an example?	5
26	Write a program to read text file using AJAX.	5
27	Write a program to read xml file using AJAX.	5
28	Explain JSON with an example.	5
29	Write a program to addition and multiplication of two numbers using JQuery, numbrs should be taken by user	10
30	Explain the following JSON datatypes with an example: 1. String 2. JSON object 3. An array 4. A number	10
31	Write a program to Stringify a JavaScript Object.	10
32	Write a program to convert string to JSON.parse() method.	10
33	Write a program to Convert JSON Array to JS Array.	10

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Question Bank - Unit No.5

(2 marks each)

S. No.	Questions	Marks
Q1	Explain the term Node JS?	2
Q2	Write a basic syntax for Node JS?	2
Q3	Why we need to Use Node JS, Why it is important?	2
Q4	What is the Difference between Node JS and PHP, ASP?	2
Q5	Write a syntax to use REQUIRE method in Node JS?	2
Q6	Write any two modules names used in Node JS?	2
Q7	Write a syntax for creating a server in Node JS?	2
Q8	Write the platform names where you can use Node JS?	2
Q9	Explain different file servers used in Node JS?	2
Q10	Write a syntax to Read a file using Node JS?	2
Q11	What do you mean by Read request in Node JS?	2
Q12	What do you mean by Return Request in Node JS?	2
Q13	Write a syntax for testing Read request and Response Request in Node JS?	2
Q14	What is the extension of Node JS file?	2

Q15	What are Node JS Events?	2
Q16	Name different file operations performed on a file using Node JS?	2
Q17	Write any 4 Advantages of Node JS?	2
Q18	What is module in Node JS?	2
Q19	Write a syntax to include module in Node JS file.	2
Q20	Write a syntax to create own module in Node JS.	2
Q21	Write a syntax to include your own module in Node JS.	2
Q22	What is the use of http module in Node JS.	2
Q23	Why Node JS is called as Open Source Server Environment?	2
Q24	Note any 4 platform on which you can use Node JS?	2
Intermediate Questions (5 marks each)		
Q25	Write a program in Node JS to print Hello World?	5
Q26	Write a program to read a html file using Node JS.	5
Q27	Write a program to use appendFile() method in Node JS.	5
Q28	Write a program to use open() method in Node JS.	5
Q29	Write a program to use writeFile() method in Node JS.	5
Q30	Write a program to update a text file using Node JS.	5
Q31	Write a program to delete a text file using Node JS.	5
Q32	Explain unlink() in Node JS with an example.	5
Q33	Which module used to rename a file in Node JS, write a program to rename a file in Node JS.	5
Q34	Write a query to find all documents in a collection named "products" where the "price" field is between 10 and 20.	5
Q35	How to read a file using Node JS explain in detail?	5
Q36	How to Open a file using Node JS explain in detail?	5

	Long Questions (10 marks each)	
Q40	Which package used to send an email. Write a program to send an email using Node JS.	10
Q41	Create a student registration form using HTML and CSS. Registration Form should have following fields: Student name, student id, course name, gender, subjects, email id, contact no.	10
Q42	Which package used to upload a file in Node JS server. Write a program to upload a file on Node JS server.	10
Q43	What are events in Node JS? Explain with an example.	10
Q44	What is NPM and packages in Node JS? How to use NPM in Node JS file. How to install package in Node JS, explain with an example.	10
Q45	What is the use of The Built-in URL Module? Write a program to use The Built-in URL Module in Node JS.	10
Q46	How Modules used in Node JS explain with Example?	10
Q47	What is Node JS, Why it is Important and explain its advantages and disadvantages in detail?	10