

Sample Theory Questions for Web X.0

Module 1:

1. Explain Evolution of Web
2. Explain Web Analytics 2.0 in details
3. Discuss Clickstream Analysis
4. Discuss the strategy to choose web analytics tool.
5. Explain factors for Measuring the success of a website
6. Explain 3.0 and Semantic Web.
7. Explain Characteristics of Semantic Web
8. Explain Components of Semantic Web
9. Explain Semantic Web Stack,
10. Discuss N-Triples and Turtle,
11. Discuss Ontology
12. Discuss RDF
13. Discuss SPARQL

Module 2: [CO 2, BTL L1,L2]

14. Explain TypeScript Internal Architecture
15. Discuss TypeScript Types with suitable examples
16. Explain variables and operators in TS
17. Explain decision Making and loops with suitable examples.
18. Explain TypeScript Functions
19. Explain TypeScript Classes and Objects
20. Explain TypeScript Modules
21. Explain Inheritance in typescript.
22. Explain function overloading with suitable examples.
23. Explain features in TS.
24. Typescript v/s Javascript.
25. Var v/s Let
26. Null v/s Undefined.

Module 3: Angular [CO 3 L2, L3]

1. Discuss the Need of AngularJS in web sites.
2. Explain AngularJS modules.

3. Explain AngularJS built-in directives with example and syntax.
4. Explain AngularJS custom directives
5. Discuss AngularJS expressions with syntax

Explain Angular JS Data Binding

6. Explain AngularJS filters
7. Explain AngularJS controllers
8. Explain AngularJS scope
9. Explain AngularJS dependency injection.
10. Explain Angular JS Services
11. Design a registration / Feedback Form and perform Validation of fields.
12. Explain Routing using ng-Route, ng-Repeat, ng-style, ng-view. With suitable example
13. Discuss Built-in Helper Functions,

Module 5: MongoDB [CO 4 L1, L2, L3]

1. Explain MongoDB Data Types with example
2. Explain features of MongoDB
3. Explain Sharding
4. Explain Replication
5. Discuss RDBMS v/s MongoDB
6. Discuss Administering User Accounts and User Roles
7. Explain User Action Privileges
8. Discuss Configuring Access Control with example.
9. Explain Accessing and Manipulating Databases commands.
10. Explain examining the rules of REST APIs.
11. What are the advantages of MongoDB?
12. What is a Document in MongoDB?
13. What is a Collection in MongoDB?
14. Explain working of MongoDB in detail.

15. List out applications of MongoDB.
16. Explain MongoDB CRUD Operations with an example.
17. Write a short note on : Mongoose schemas and Models.
18. Explain RSET API in detail.
19. Enlist different types of HTTP requests supported by REST API.
20. List out HTTP response codes returned by REST API.
21. Explain API design patterns.

Module 5 : Flask [CO5 L1, L2, L3]

- Explain App Routing
- Discuss URL Building.
- Explain Flask HTTP Methods
- Discuss Flask Request Object
- Explain Flask cookies with example
- Explain File Uploading in Flask
- What are the features of Python Flask?
- What are the advantages of Python Flask?
- How to set, access and delete cookies in Python Flask ?
- Differentiate between Flask and Django frameworks.
- Why is Flask called microframework.

Module 6 RIA: [CO 6, L1,L2,L3,L4]

27. Define RIA and explain characteristics of RIA
28. Explain Working AJAX
29. Discuss features of AJAX.
30. Discuss DOM
31. Discuss XML HTTP Request, its methods & properties.
32. Explain features of Django along with the architecture.
33. Explain features of Drupal along with the architecture.
34. Explain features of Joomla along with the architecture.
35. Explain Asynchronous and synchronous working model.
36. Difference between CMS & Framework

Sukanya
Roychowdhury:
Subject
Incharge