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Question Paper Code : X10325

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2021
Sixth Semester
Computer Science and Engineering
CS 8651 – INTERNET PROGRAMMING
(Common to Computer and Communication Engineering)
(Regulations 2017)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions

PART – A

(10×2=20 Marks)

1. What is Web 2.0 and give its example ?
2. Define Web Server.
3. What is the DOM used for ?
4. What do you mean by exception handling ?
5. What is a Servlet ?
6. What is meant by form validation ?
7. What is called session handling in java ?
8. What do you mean by XML Schema ?
9. Define WSDL documents.
10. What is a request object ?

PART – B

(5×13=65 Marks)

11. a) Illustrate the different types of request methods of http. Compare any two http request methods. What do you mean by status code in http ?

(OR)

- b) Name all the modules which are used in the current version of CSS. Distinguish between CSS2 and CSS3. What are the uses of an embedded style sheet ?



12. a) What is the significance and what are the benefits of including 'Use strict' at the beginning of a JavaScript source file ?

(OR)

b) Demonstrate use of JSON. How to convert JavaScript objects to JSON ? List the benefits of JSON over XML.

13. a) What are the different phases of Java Servlet Life Cycle ? Illustrate the different functionalities of Servlet container.

(OR)

b) Elaborate briefly about JDBC database connection pool. How to setup in Java ? What is difference between type 2 and type 4 JDBC drivers in Java ?

14. a) What is spring framework ? What is use of it ? What are the advantages of Spring Framework ?

(OR)

b) Using Xslt, how would you extract a specific attribute from an element in an Xml document ? When constructing an Xml Dtd, how do you create an external entity reference in an attribute value ?

15. a) Differentiate between synchronous and asynchronous Ajax requests. How to send an Ajax request in JavaScript ?

(OR)

b) What are the Web Service features and explain the components of a Web Service ? How does a Web Service Work ?

PART – C

(1×15=15 Marks)

16. a) What are the two methods thread can be created in Java ? Explain them each with an example code. Mention the different thread methods.

(OR)

b) Explain the following with proper example :

- i) Exception handling
 - ii) Event handling
 - iii) Call back methods
 - iv) XML validation.
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