Printed Pages : 4 | 65 | NCS-504

(Following Paper ID and Roll No. to be filled in your Answer Book)

Paper ID : 110504 | Roll No. | | | | | | | | | |

B.Tech.

(SEM. V) THEORY EXAMINATION, 2015-16

WEB TECHNOLOGY

[Time : 3 hours] **[MaximumMarks : 100]**

Section-A

Note : Attempt all parts. All part carry equal marks. Write answer of each part in short. (2×10=20)

(a) What is internet? Discuss the various internet services in brief.

(b) What do you mean by web projects? Describe the various protocol governing web projects.

(c) Explain the Client-Server architecture with diagram.

(d) Explain the HTML tags: Table Frame and Forms with the help of suitable examples.

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(e) What is CSS? What are different ways of creating style sheets?

(f) What is the difference between JDK, JRE, JIT and JVM?

(g) What is an exception? How the exception is handled in java? Differentiate between throw and throws.

(h) What is an applet? How do applets differ from application programs? Discuss the life cycle of applet.

(i) What is thread? How to create a thread in java?

(j) What do you mean by AWT? Explain the working of AWT.

Section-B

Note: Attempt *any five* questions from this section. (10×5=50)

Q2. What is XML? Discuss the significance of XML. How is XML different from HTML? Explain the process of XML parsing. How are they useful?

Q3. What is DTD? What are the differences between external and internal DTD? Use suitable example.

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Q4. What is the difference between Java and Java Script? Write a Java script function for e-mail address validation, that is, to check if the content has the general syntax of an e-mail or not.

Q5. What is AJAX? Explain the application of AJAX with the help of suitable examples.

Q6. What is Servlet? Explain its lifecycle. Illustrate some characteristic of Servlet. How does Servlet score over CGI?

Q7. What do you mean by JSP processing? How JPS pages are handled? Explain various JSP directives with suitable examples.

Q8. Explain EJB architecture. What are its various types? Describe the steps used to creat java Bean and to build application using BDK.

Q9. Describe the PHP life cycle and how does PHP score over ASP and JSP?

Section-C

Note: Attempt *any two* questions form this section.

$15 \times 2 = 30$

Q10. Explain JDBC application architecture. What are the various types of JDBC drivers? Write steps to connect database with the web application using JDBC.

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Q11. What is PHP? Describe PHP session in detail. Explain the steps involved in connecting database in PHP.

Q12. Write down the short not on the following:-

i) COM/COM

ii) Tomcat Server.

iii) CORBA

—x—

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