

Printed Pages : 4

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NCS-504

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

Paper ID : 110504

Roll No.

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B.Tech.

(SEM. V) THEORY EXAMINATION, 2015-16

WEB TECHNOLOGY

[Time : 3 hours]

[Maximum Marks : 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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(1)

P.T.O.

- (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.

15×2=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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P.T.O.

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

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