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53 (IT 402) WBTC

2012 C

2013

(May)

WEB TECHNOLOGY

Paper : IT 402

Full Marks : 100

Pass Marks : 30

Time : Three hours

*The figures in the margin indicate full marks
for the questions.*

Answer any five questions.

1. (a) Define an XML schema. Show how an XML schema can be created. 7
- (b) Write the difference between the following : 4+4=8
 - (i) HTML and XML
 - (ii) ROWSPAN and COLSPAN.

Contd.

- (c) What is namespace ? Describe how a namespace is created with a relevant example. 5
2. Create a Form which has text fields, password field, textarea, checkbox, radiobutton, submit button, reset button, dropdown box. 20
- Now validate this form i.e. you have to check before submitting the form whether
- (i) any field of the form is empty ?
 - (ii) e-mail address is a valid e-mail address or not ?
 - (iii) password should not be more than 7 characters long.
3. (a) Describe the life cycle of a servlet. 10
- (b) What is a cookie and how it can be created ?
5+5=10
4. (a) What are the four types of JDBC driver ? 10
- (b) Explain the various components of JSP in details. 10
5. Create a simple application to demonstrate session tracking using different methods. 20

6. Write short notes on : 4×5=20
- (a) Tomcat Server
 - (b) DOM
 - (c) Java Beans
 - (d) Http Servlet Class.
7. (a) How can you test your web site after publishing it to World Wide Web ? 10
- (b) What are the different types of talent necessary to build a large, well-conceived web site ? 10
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