



**RB-3981-82**

**B. Sc. (IT) (Sem. IV) Examination**

**April / May – 2010**

**Paper - 404 : Web Development - I**

*(New Course)*

Time : 3 Hours]

[Total Marks : 70

**RB-3981**

**Instruction :**

नीचे दशांशवैध निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="B. Sc. (IT) (Sem. 4)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="404 : Web Development - 1 (New)"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="1"/>	<input type="text" value="Student's Signature"/>
Section No. (1, 2,.....) : <input type="text" value="1"/>	

1 Answer the following questions: (any three) **15**

- (1) What is XML? Write syntax rules for XML file.
- (2) Discuss advantages of XML in detail.
- (3) What is DTD? Give suitable example of XML file and its DTD code.
- (4) What is XML schema? Discuss XML schema with suitable example. Also discuss advantages of XML Schema compared to DTD

2 Answer the following questions : **20**

- (1) Explain the purpose of XML Parser, XPATH and XSLT in detail.
- (2) What is Java Script XML Parser? Write example considering Internet Explorer (IE), web browser.

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### Instruction :

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Fillup strictly the details of signs on your answer book.

Name of the Examination :  
B. Sc. (IT) (Sem. 4)

Name of the Subject :  
404 : Web Development - 1 (New)

Subject Code No. : 3 9 8 2 Section No. (1, 2,.....) : 2

Seat No. :

Student's Signature

### 3 Answer the following questions : (any two) 20

- (1) Discuss Java Script DOM.
- (2) Write Java Script program to develop Digital Alarm Clock :
  - (i) Alarm Clock should display current system time and Alarm time
  - (ii) User can set Alarm time.
  - (iii) Alarm clock should display alert message box when current time is equal to Alarm time.

Note: Default value for alarm time is 00:00:00.

- (3) Write Java Script function to implement following validation of Student Enrolment Form :
  - (i) Studetn ID (MSCIT or MSCICT+3 Digit Number)
  - (ii) Student Name (Only Alphabets)
  - (iii) Birth Date (DD-MM0-YYYY)
  - (iv) Email ID
  - (v) Age (2 Digit number should be calculated automatically from Birth Date)

### 4 Answer the following questions :

- (1) Explain Data Type and Control Statements supported by JavaScript. 5
- (2) What do you mean by Cookie? Write a short-note on Cookies. 5
- (3) Write JavaScript program to demonstrate inter-window communication. 5