



**RM-7811-R**  
**B. E. IV (I.T.) (Sem. VIII) Examination**  
**May / June – 2010**  
**Internet Technology & Application**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

<p>नीचे दर्शाविए निशानीवाणी विगतो उत्तरवडी पर अवश्य लखवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination :</p> <p><b>B. E. 4 (I.T.) (Sem. 8)</b></p> <p>Name of the Subject :</p> <p><b>Internet Technology &amp; Application</b></p> <p>Subject Code No. : <b>7 8 1 1</b> Section No. (1, 2,.....): <b>1&amp;2</b></p>	<p>Seat No. :</p> <table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr></table> <div style="border: 1px solid black; border-radius: 15px; height: 60px; margin-top: 10px; display: flex; align-items: center; justify-content: center; padding: 10px;">Student's Signature</div>						

- (2) Answer to both the sections must be written in separate answer books.
- (3) Figures to the extreme right indicate maximum marks.
- (4) Assume suitable data, when necessary.

**SECTION-I**

- 1 (a) Answer the following : 5
- (1) When a user views a page containing a Javascript program, which machine actually executes the script ?
- (a) The user's machine running a web browser
- (b) The web server
- (c) A central machine deep within Netscape's corporate offices
- (d) None of above
- (2) The protocol used to setup communication between a Client and Server on the Internet is \_\_\_\_\_.
- (a) OSI
- (b) TCP/TP
- (c) TELNET
- (d) FTP

- (3) Which one is not the method of HttpSession Class ?
- getAttribute( )
  - setAttribute( )
  - getParameter( )
  - None of above
- (4) CGI Stands for
- Control Gateway Interface
  - Common Gateway Implementation
  - Control Gateway Implementation
  - Common Gateway Interface
- (5) Cookie information is shared between the client browser and server using fields in the \_\_\_\_\_ headers
- response
  - request
  - page
  - None of above.
- (b) State that following statements are TRUE/FALSE : **5**
- Web is State-less protocol.
  - Digital subscriber line is always on connection.
  - We can't run ASP on linux.
  - Cookie is one of ASP implicit objects.
  - XML is generally used to transport data.
- (c) Answer the following :
- Discuss internet framework. And also state that how it reaches to the every corner of the world. **4**
  - Where can I place Java script in web-document ? Write down the order of their execution. Give one example. **4**
- 2** (a) Develop a Java servlet application of online movie ticket reservation system through which user can. A user van view movie schedules rates for different classes. The system should allow online booking of selected movie tickets. Make suitable assumption in design with brief description of your assumption. **10**
- OR**
- 2** (a) Develop a JSP application of online movie ticket reservation system through which user can. A user van view movie schedules rates for different classes. The system should allow online booking of selected movie tickets. Make suitable assumption in design with brief de-  
scription of your assumption. **10**

- (b) (1) What do you mean by event handler ? 6  
Implement 'Forward' and 'Backward' functions of internet explorer using appropriate images of buttons (to be clicked by user) and using Java script in HTML document.

**OR**

- (b) (1) Write a JSP application which inserts data 6  
to the database having following information :  
Data source name : "mysdn"  
Table fields :

Lucky_Number	Number
Birthdate	Date
Name	Text

- 3** (a) Write down a Java Servlet that makes use of 7  
session API. When a user comes for the first time, display the message 'Hello, whlcome to our store...' and asks for the name of user. When the user comes for the next time it displays 'Hello username', welcome back.

**OR**

- 3** (a) Write a Java script which validates the user input 7  
through the form on client side only. Form has Name, Telephone Number and Email-Id as fields. Script should display appropriate message box after validating from input.

Validation to be performed :

Name : Only A-Z, a-z are allowed

Tel Number : format should be like 123-4567890

Email Id : abc@xyz.com

- (b) Attempt any three : 9
- (i) Explain in detail the way in which JSP pages are executed when they are requested for the first time and the consequent times ?
  - (ii) What are error pages in JSP ? How it can be used ? Give an example.
  - (iii) Architecture of a Java servlet.
  - (iv) Database Access Models.

## SECTION-II

- 4 (a) Match A with B : 10
- | A                        | B                           |
|--------------------------|-----------------------------|
| (1) CSS                  | Response.Flush              |
| (2) Create Object        | VBScript                    |
| (3) Default ASP language | Server object               |
| (4) Buffering in ASP     | ASP component               |
| (5) SERVER_NAME          | Environment variable        |
| (6) XML                  | Content Linker              |
| (7) Session Object       | Embedded with HTML file     |
| (8) Browser Capabilities | One for each browser window |
| (9) GetNwetURL method    | Meta language               |
| (10) Data Island         | Style-sheet                 |
- (b) Write code script to display HTML page 'Student info' containing student's ID, Name and Branch (Computer, IT and EC). Using ASP script, insert data collected from various fields of HTML page into an MS-Access table. Note : necessary assumptions it required. 10
- 5 (a) Describe various methods and properties of response object in ASP. 8
- (b) Compare session object with cookies. 7
- OR**
- 5 (a) With a code snippet, describe content linker for ASP. 8
- (b) Describe session and application objects in ASP. 7
- 6 Answer any three : 15
- (1) Apply CSS of your own choice for an XML file which contains student's name, college and branch.
  - (2) With a code snippet, explain how an XML file can be displayed in a table form in an HTML file.
  - (3) List and briefly describe any five environment variables.
  - (4) Create a DTD for the following SITES node :  
SITES node contains maximum one LINKS node and maximum one ARTICLES node. LINKS node contains any number of LINK nodes. Each LINK element contains text contents. ARTICLES node contains zero or more ARTICLE nodes and each ARTICLE node contains some text contents.
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