

(07/04/15) T93T

Principles of web Design and
web Tech - II

QP Code : 14547

(2½ Hours)

[Total Marks : 75

- N. B. :** (1) All questions are compulsory.
(2) Figures to the right indicate marks.
(3) Illustrations, in-depth answers and diagrams will be appreciated.
(4) Mixing of sub-questions is not allowed.

1. Attempt the following (Any THREE) :-

15

- (a) What is AJAX? How does it work?
- (b) How to create object of XMLHttpRequest for different types of browsers? Explain with code snippet.
- (c) How can you send data to server using - (i) Get Request, (ii) Post request. Give example.
- (d) In AJAX, how can you - (i) extract header information, (ii) check whether URL exists.
- (e) How to declare array in PHP? How to access elements of array? Give example.
- (f) Write a PHP code to read product name and quantity from HTML file and calculates and displays the amount to be paid [Don't write HTML/ AJAX code]

2. Attempt the following (Any THREE) :-

15

- (a) Explain any properties in Javascript to access XML nodes at the same level and at the next level.
- (b) For the following XML file-

```
<?xml version="1.0"?>
```

```
<Orders>
```

```
<order client="Mahavir">
```

```
</order>
```

```
<order client="PrintMe">
```

```
</order>
```

```
</Orders>
```

Write AJAX code to access attributes and their values of various nodes.

- (c) Write a note on absolute positioning in AJAX.
- (d) How can you display text that gets noticed? Give example.
- (e) State and explain some design issues related to Browser
- (f) Write a note on side-stepping browser's cache..

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3. Attempt the following (Any THREE) :-

15

- (a) What are server controls? Explain the two types of server controls.
- (b) Explain the steps of execution of ASP.NET file.
- (c) Explain any one of the web control with its use, two properties and event.
- (d) What is a cookie? How to add and retrieve value from a cookie? Give example.
- (e) Explain any 2 validation controls along with their important properties. Which is the super class of all validator controls?
- (f) Explain AdRotator control along with its XML file.

4. Attempt the following (Any THREE) :-

15

- (a) What do you mean by Data provider in ADO.NET? Explain any two types of classes from it.
- (b) What is binding? Explain the use of following DataSource, DataTextField, DataValueField and Bind().
- (c) Explain ASP.NET Security model.
- (d) What is caching? Explain output caching and data caching.
- (e) What is trigger in AJAX in ASP.NET? Why are they required? What are the various types of them?
- (f) Write a short note on web service.

5. Attempt the following (Any THREE) :-

15

- (a) State any five applications which can be added in web applications using AJAX.
- (b) How white spaces in xml create problems in reading it in AJAX? How can you solve those problems?
- (c) What is-
 - (i) ViewState (3)
 - (ii) AutoPostBack (2).
- (d) How to make use of data reader? How to create it and use it? Give example.
- (e) Write a note on following functions of PHP- (i)fopen, (ii) mysql_connect
- (f) Write a note on Global.asax file.