

WD

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) :-

- (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)

- (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 xmi 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.