

Duration: 3Hrs.

Total Marks : 80

N.B.: -

1. Question No, 1 is compulsory.
2. Answer any three out of remaining questions.
3. Figures to the right indicate full marks.
4. Assume any suitable data if necessary.

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|---|-----|--|----|
| 1 | (a) | Explain three tier architecture of web application.  | 5  |
|   | (b) | What is XSLT? Explain with example.  | 5  |
|   | (c) | Explain web services.  | 5  |
|   | (d) | Differentiate between GET and POST.  | 5  |
| 2 | (a) | Explain JavaScript objects Window and Document.  | 10 |
|   | (b) | What is session? What are the ways to do session tracking? Explain session handling using cookies.                                     | 10 |
| 3 | (a) | What is valid XML document? Design DTD for address book XML document.  | 10 |
|   | (b) | What is JQUERY? Illustrate the use of JQUERY for form validation.  | 10 |
| 4 | (a) | Explain AJAX – PHP framework.  | 10 |
|   | (b) | Write JavaScript program to validate a form which accepts Name, Date of Birth, email and Phone Number of a student.                    | 10 |
| 5 | (a) | Write the HTML code to display class timetable.  | 10 |
|   | (b) | Write an ASP.NET program to insert a new record ( Name, Date of Birth, email and Phone Number of a student ) in the database using C#. | 10 |
| 6 | (a) | What is CSS? Explain the ways by which CSS is included in the web page.  | 10 |
|   | (b) | Write JavaScript code to display today's day (eg. Sunday, Monday, . . .).  | 10 |