

- Instructions :**
- (1) All questions are compulsory.
 - (2) Make suitable assumptions wherever necessary and state the assumptions made.
 - (3) Answers to the same questions must be written together.
 - (4) Numbers to the right indicate marks.
 - (5) Draw neat labeled diagrams wherever necessary.
 - (6) Use of Non-programmable calculators is allowed.

1. Attempt the following (any **TWO**) [10]
 - (a) What is boxing and unboxing? How it is achieved?
 - (b) What is type conversion? Explain implicit and explicit type conversion with suitable example.
 - (c) What is user defined exception? Explain with Syntax.
 - (d) Explain try, catch and finally blocks in exception handling with suitable example.

2. Attempt the following (any **TWO**) [10]
 - (a) What is an assembly? Explain different components of assembly.
 - (b) What is CSS selector? Explain different selectors present in CSS.
 - (c) What is event? What are the differences between delegate and event?
 - (d) Explain delegate with example.

3. Attempt the following (any **TWO**) [10]
 - (a) Differentiate between HTML server controls and web server controls.
 - (b) Explain the following properties/events of checkbox control.
 - (i) ID
 - (ii) AccessKey
 - (iii) Text
 - (iv) Checked
 - (v) CheckedChanged()
 - (c) What is the difference between inline code and code behind in asp.net?
 - (d) What are the different types of events in global.asax file?

4. Attempt the following (any **TWO**) [10]
 - (a) What is ViewState? Where is the ViewState is stored after the page postback?
 - (b) Explain the relationship between master page and content page.
 - (c) Explain the following validation controls with example.
 - (i) CompareValidator
 - (ii) CustomValidator
 - (iii) RangeValidator
 - (iv) RegularExpressionValidator
 - (v) RequiredFieldValidator
 - (d) Explain Response.Redirect() and Server.Transfer() methods in ASP.NET.

5. Attempt the following (any **TWO**) [10]
 - (a) Explain the various authentication mechanisms in ASP.NET.
 - (b) Draw and explain the architecture of ADO.NET in brief.
 - (c) Differentiate between DataSet() and DataReaderQ
 - (d) Explain the properties and methods of Command Object

6. Attempt the following (any **TWO**) [10]
 - (a) What role does the ScriptManager play? Explain the UpdatePanel Control.
 - (b) Explain the jQuery syntax and Document.Ready Event with the example.
 - (c) Explain DOM manipulation methods in jQuery.
 - (d) Write and explain the basic syntax of a LINQ query in C#.

7. Attempt the following (any **THREE**)

[15]

- (a) What is constructor? Explain parameterized constructor with suitable example.
- (b) Explain following properties :
- (i) AutoPostBack (ii) AutoEventWiredUp
- (c) What are the event handlers that we can have in global.asax file?
- (d) What is website navigation? Explain structure of web.sitemap file with suitable example
- (e) Explain DataAdapter with its properties and methods.
- (f) What is AJAX? What are the advantages and disadvantages of AJAX?

Paper Discussion Schedule for all Subjects

Date	Day	Timing	Centre
23 Oct. 2017	Monday	5.00 p.m. to 7.00 p.m.	Nerul
24 Oct. 2017	Tuesday	9.00 a.m. to 11.00 a.m.	Ghatkopar
24 Oct. 2017	Tuesday	12.00 p.m. to 2.00 p.m.	Thane
24 Oct. 2017	Tuesday	3.00 p.m. to 5.00 p.m.	Dombivli
25 Oct. 2017	Wednesday	9.00 a.m. to 11.00 a.m.	Dadar
25 Oct. 2017	Wednesday	12.00 p.m. to 2.00 p.m.	Andheri
25 Oct. 2017	Wednesday	3.00 p.m. to 5.00 p.m.	Borivali

