

TIME: 2 Hours

Marks: 60

N.B:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Draw a diagram wherever necessary.
4. Mixing of sub-questions is not allowed.

Q.1 Attempt the following (Any FOUR)

- A Describe the architecture of Dot Net Framework. (03)
- B Write a note on Assemblies and Metadata. (03)
- C Explain the concept of Partial Classes (03)
- D Explain the purpose of Global.asax file and its two functions. (03)
- E Explain Output Caching. (03)
- F Write a short note on Web Service architecture (03)

Q.2 Attempt the following (Any THREE)

- A Write the difference between Value and Reference Data types. (04)
- B Explain String class and its functions with syntax and examples. (04)
- C Write a note on StreamReader class. (04)
- D Differentiate between Array and ArrayList class. (04)

Q.3 Attempt the following (Any THREE)

- A What are assemblies? How are they registered? (04)
- B What is the purpose of Data Adapter ? Explain with examples. (04)
- C Describe in detail SqlConnection class. (04)
- D What is LINQ ? Explain the purpose of From, Where and Select in LINQ. (04)

Q.4 Attempt the following (Any THREE)

- A Describe the structure of web.config file. (04)
- B Write a short note on Session state. (04)
- C How Cross Page Posting is achieved? Explain. (04)
- D What is regular expression? Explain common regular expressions used. (04)

Q.5 Attempt the following (Any THREE)

- A Write a short note on :- (04)
 - a. SQLDataSource control.
 - b. GridView control.
- B Explain the role of XML in .NET (04)
- C Explain UDDI, SOAP, and WSDL with respect to Web Services. (04)
- D Write a note on Page Class. (04)
