

2019

DOT NET TECHNOLOGY

PAPER — 3103

Full Marks : 70

Time : 3 hours

Answer Q.No. 1 and any five from the rest

The figures in the right-hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

1. Answer any *five* questions : 2 × 5
- (a) What is the need to use system.web.UI namespace ?
- (b) What do you mean by global Assembly cache ?
- (c) Differentiate between user control and custom control ?

- (d) What is the advantage of DLL over LIB ?
- (e) What is the requirement of Web .config file in web based application in .Net framework ?
- (f) Define an event ? Give examples of any two keyboard events.
- (g) What is the role of .Net meta data ?
- (h) What do you mean by Generic collections ?
- (i) Why Range validator is used ?
- (j) What is type forwarding ?

2. (a) With a block diagram briefly describe the .Net framework architecture.

(b) What do you Mean by ASP .Net directives ? Explain any two directives with their basic syntax and some supported attributes ?

7 + (1 + 2 + 2)

3. (a) What do you mean by cross language interoperability ?

(b) What is CLR ? Discuss its function.

(c) What is XML ? How does it differ from HTML ?
2 + (2 + 4) + (2 + 2)

4. (a) Write down the advantages of .(Dot) Net technology over other technology (eg.J2EE).

(b) Discuss different securities provided by the .(Dot)net framework.

(c) Describe three types of authentication provided by the .(Dot) Net.

(d) What is authorization ? 2 + 5 + 3 + 2

5. (a) Explain value type and Reference type of data with example ?

(b) Write a short note on ASP Net Mvc framework.
(3 + 3) + 6

6. (a) What is Dataset and Data Reader ? Describe with example.

(b) What are the differences between Dataset and Data Adapter ?

(c) Which name space is used to connect database? (3 + 3) + 4 + 2

7. (a) Explain the concept of garbage collection in .Net architecture.

(b) How can we create SQL connection object in .Net ?

(c) What is Rollbased security. Explain in details. 4 + 4 + 4

8. Write short notes on any *four* : 4 × 3

(i) Cross language inheritance

(ii) Compare validator

(iii) Operator overloading

(iv) COM objects

(v) MSIL

(vi) SOAP.
