

(3 Hours)

[Total Marks : 100

- N.B. :** (1) Question No.1 is compulsory and attempt any four from remaining questions.
 (2) Answer to the point.
 (3) Assumptions should be highlighted and justified.
 (4) Draw diagram to explain the theory wherever **necessary**.
 (5) Start major question on new page and maintain the order of questions.
 (6) For every question and its answer, title it with details e.g. Q.3/a/2/i if there are subsections.
 (7) While stapling the supplements, take care that questions numbers and answers are not obscured.

1. (a) Design intranet web site for online attendance monitoring for first year to final year students. Assume at least 8 features. Draw the necessary diagrams showing hardware and software components. 15
- (b) State most suitable application using Applets, Active Server Pages, Static pages, Dynamic pages, ActiveX, XML.(one each) 5
2. (a) What are the various online payment methods / mechanisms? 10
- (b) Explain the EDI process and list the advantages / disadvantages 10
3. (a) Consider a suitable data entry form and validate it using java script at client side. 10
- (b) List and state all tags of HTML forms, HTML Frames. 10
4. (a) Explain at least 5 java script Objects, its properties, methods, event handlers. 10
- (b) What are the various web site design issues. 10
5. (a) Illustrate the use of all ASP objects. 10
- (b) Consider a suitable data entry form and illustrate the cookie storage and retrieval. 10
6. (a) Explain all methods of HTTP protocol. 10
- (b) Explain structure of DNS. Illustrate it to search <http://cse.iitb.ac.in> 10
7. (a) Design and implement online *visitor gate pass* system for a company using any technology you know. (i.e. Microsoft skill set, Sun skill set, Linux based skill set) Draw all necessary system diagrams showing Software and hardware elements. 15
 [Note that visitor gate pass is a small entry form which you have to fill at the gate of the company stating whom to meet, reason to meet, date ,time, visitor's address, telephone etc and then person is allowed to visit employee inside the company. Employee signs the visitors gate pass and visitor checks out. Assume suitable constraints]
- (b) List and state the Ecommerce architecture elements. 5