

(3 Hours)

[Total Marks : 100

- N.B. :** (1) Question No. 1 is compulsory.
 (2) Attempt any four questions out of remaining six questions.
 (3) Assumptions made should be clearly stated.
 (4) Figures to the right indicate marks.

1. (a) Design a web site for online Reservation of Airline Travel. Write validation for input wherever necessary. Draw functional block diagram and explain. 10
 (b) Explain the life cycle of servlet and advantages of JSP over ASP. 10
2. (a) Write HTML document to draw the following table :- 10

| AREA | TYPE OF FLAT | RATE/SQFT |
|------------|--------------|---------------|
| Dadar | Row House | Rs. 10,000.00 |
| | Delux | Rs. 6,500.00 |
| | Villa | Rs. 5,000.00 |
| Borivali | Ordinary | Rs. 5,000.00 |
| | Granited | Rs. 6,000.00 |
| Churchgate | Delux | Rs. 15,000.00 |
| Thane | Multiplex | Rs. 12,000.00 |

- (b) What is HTML ? Explain all character formatting tags with example. Also explain attributes of font and anchor tag. 10
3. (a) Draw the hierarchy of javascript built in objects and explain each one briefly. Write javascript function that calculate whether a year is leap year or not. 10
 (b) Explain the need of frames in web browser. Explain with example. 5
 (c) What is document type definition ? 5
4. (a) What is ASP ? Explain all built in objects of ASP. 10
 (b) Explain cursor types of ADO record-set object. Write in ASP to display top 10 records from a database. 10
5. (a) What are cookies ? How are they important in session management ? 10
 (b) Explain E-commerce and different types of e-commerce. 10
6. (a) Explain in detail working of Domain Name System. 10
 (b) Explain and differentiate between FTP and Telnet protocol in detail. 10
7. (a) Explain Internet architecture and protocols used in internet. 10
 (b) Explain any two of the following :- 10
 (i) Digital Signature
 (ii) SET
 (iii) Active X Objects.