

(3 Hours)

[Total Marks : 100

- N.B. :** (1) Question No. 1 is **compulsory**.
(2) Attempt any **four** questions from remaining **six** questions.
(3) Assume **suitable** data, if **necessary**.

1. (a) Company wants to host E-commerce website, IT officer of the company has given 20 three choice :-
 - (i) In-House hosting with dedicated IT infrastructure
 - (ii) Cloud based Hosting
 - (iii) Hosting on web hosting company's serverCompare with respect to following parameters :-
 - (i) Cost
 - (ii) Security of E-commerce website
 - (iii) User's experience
 - (iv) Storage
 - (v) Data privacy.
2. (a) Explain various techniques of session management in E-commerce website. 10
(b) Describe web 1.0, web 2.0 with respect to technology, features and their 10 characteristics.
3. (a) Explain any three types of Business models used in E-Business. 10
(b) Explain SET protocol in detail. 10
4. (a) Explain in detail working of Search Engine. 10
(b) Write a detailed note on Enterprise Application Integration. 10
5. (a) What is web Mashup architecture ? How will you used it in developing following 10 E-commerce application :-
 - (i) Movie Ticket Booking
 - (ii) Travel site portal ?
(b) Define CRM and Explain its architecture. 10
6. (a) Explain virtualization techniques and how it is used in cloud computing. 10
(b) Explain different type of web based Auction. 10
7. Write short notes on following (any two) :- 20
 - (a) REST
 - (b) Semantic web
 - (c) Digital certificate.