

Faculty of Commerce**B.Com. II-Year, CBCS - III Semester Backlog Examinations, January 2021****(For E-Commerce of B.Com)****PAPER: WEB TECHNOLOGIES**

Time: 2 Hours

Max Marks: 50

I. Answer any **FIVE** of the following questions

(5x10=50 Marks)

1. Explain the structure of HTML document.
2. Explain Web design principles.
3. Cascading Style sheets.
4. Discuss filters and transitions in DHTML.
5. Briefly discuss about expressions in JavaScript
6. Discuss about Document Object Modeling (DOM).
7. Discuss some commonly used event handlers.
8. What is an event in JavaScript? Explain its importance in web design.
9. What are well-formed and valid documents in XML? Explain
10. Discuss about Style Sheet in XML.

Faculty of Science

B.Sc (Computer Science) II-Year, CBCS-III Semester Backlog Examinations, January 2021

PAPER: DATABASE MANAGEMENT SYSTEM

Time: 2 Hours

Max Marks: 80

- I. Answer any **FOUR** of the following questions (4x20=80 Marks)
1. Explain the advantages of Database Systems over File Systems. Also write about various types of Database Users and Administrators.
 2. a. Write about Database Languages.(8+12 marks)
b. Explain the components of a Database System with a supporting diagram.
 3. Explain the features of Entity-Relation Model and conversion of ER diagrams into Relational Schemas.
 4. What are the features of a good relational design? Explain various normal forms.
 5. Explain Server system architectures and Distributed systems.
 6. Explain Set operations and Aggregate functions supported by SQL using sample queries.
 7. Explain various types of Joins and Integrity constraints in SQL.
 8. What are Views in SQL? Explain Triggers and Functions in SQL with examples.
