B.A. Prog. / II   A

(L)

COMPUTER APPLICATION

Paper II

(Database and Internet Technologies)

(Admissions of 2004 onwards)

Time : 3 Hours   *Maximum Marks : 45*

*(Write your Roll No. on the top immediately
on receipt of this question paper.)*

Attempt **all** *questions.*
Attempt **all** *parts of a question together.*

1. (a) Describe the purpose of the following tags :-

    (i) <TT>

    (ii) <BLINK>

    (iii) <PRE>

    (iv) <DIV>   (2)

    (b) What are special characters ? How can you insert
    a special character in the HTML code ?   (1)

(c) Write code to create following Table in HTML :

Sales Analysis

Products	Sales			
	Qtr 1	Qtr 2	Qtr 3	Qtr 4
X	100	200	250	150
Y	350	250	150	400
Z	225	175	200	130

(3)

2. (a) Write code to create an HTML Form having two input fields to accept username and password. Validate both the fields using Java Script that they are not empty. (3)

(b) Write the syntax and usage of the following function of Java Script :

   (i) index of

   (ii) max (2)

(c) Write a java script to find largest of three numbers using following form :

   Enter a [   ]
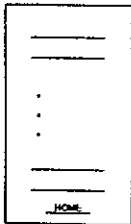
   Enter b [   ]

   Enter c [   ]

   [Largest]

   Use 'onclick' event on largest button. (3)

3. (a) Design the following document :

LINK1 LINK2	frame1
	frame2

When you click on LINK1 & LINK2 they should open in frame1 & frame2 respectively.   (3)

(b) Consider the file 'A.html'. Write the code for positioning at the beginning of the file when the user clicks at "HOME".

A. HTML

4. (a) With the help of a diagram, explain the three level architecture of DBMS.   (4)

(b) What are the advantages and disadvantages of using indexed file organisation ?   (3)

(c) A data base consists of following tables :   (4)

EMPLOYEE

ENO	ENAME	Salary	Date_of_Birth	DNO

DEPARTMENT

DNO	DNAME	DLOC	MGRNO

MGRNO denotes manager number in DEPARTMENT TABLE.

Write the SQL Commands to do the following :

   (i) Display the details of the employees who were born before Jan '2005 and after Dec '75.

   (ii) Display dept. name and number of employees in each department.

   (iii) Display the details of the employees who are managers.

   (iv) Change the location of the department no. 10 to "DELHI".

(d) What is Normalization ? Normalize the following table upto 3rd Normal Form :—

EMPLOYEE(EMP_ID, EMP_NAME, EMP_DESG, EMP_SAL, EMP_DEPT_ID, DEPT_NAME, DEPT_MGR_ID)   (4)

5.   (a) Differentiate between the following :—

   (i) Asynchronous & Synchronous Transmission

   (ii) Circuit Switching and Packet switching   (2)

(b) Write a brief note on :

   (i) Bridge

   (ii) Gateway   (2)

(c) Describe OSI model and its layers.   (3)

(d) (i) What is URL ? Explain all its components.

   (ii) How does email work ?   (3)