

[This question paper contains 4 printed pages.]

Your Roll No.

5303

B

B.A. Prog. /II

(S)

Paper -II : COMPUTER APPLICATION

(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.)

Q. No. 1 (Part-'A') is compulsory.

Attempt any three questions from Part-'B' (Q.2 to Q.6)

PART- A

1. (a) What is star network topology? Give one advantage and one disadvantage. 3
- (b) List the components of URL in order and illustrate with an example. 2
- (c) What is data independence? 2
- (d) Write a short note on Relational Data Model. 3
- (e) Write the use of the following tags in HTML: 3
 - (i) <PRE>

[P. T. O.]

- (ii) <SUP>
- (iii) <NOFRAME>
- (f) Write the event handlers for Blur and Click events. 2

PART - B

- 2. (a) List any three benefits of DBMS. 3
 - (b) Briefly describe the role of DBA. 2
 - (c) Differentiate between DDL and DML. 2
 - (d) Describe the architecture of DBMS. 3
 - 3. (a) Write short notes on : 4
 - (i) Data Mining
 - (ii) Indexed Sequential File
 - (b) What is the purpose of entity integrity constraints? 2
 - (c) Consider the following tables : 4
 - Students (R.No., Name, Age, Address, Marks, Course Id)
 - Course (Course Id, Course Name, Teacher Incharge)
- Write SQL commands for the following :
- (i) List the name of students whose teacher-in-charge is "X".
 - (ii) Count the number of student in each course.

(iii) Increase the marks of students by 10 whose marks are less than 35.

(iv) Find the average marks of all students.

4. (a) Describe the following in about 50 words each : 3

(i) Bridge

(ii) Switch

(iii) Router

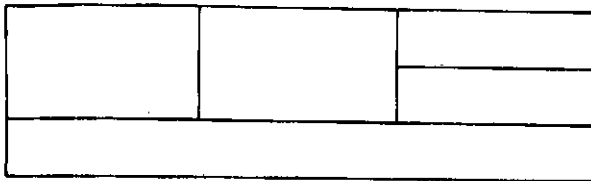
(b) Differentiate between asynchronous and synchronous transmission. 2

(c) Briefly describe the optical fibre transmission media. 2

(d) How does e-mail work? 3

5. (a) Write HTML code to show ordered and unordered list. 3

(b) Write HTML code to display the following frames: 4



(c) Distinguish between cell spacing and cell padding. 2

- (d) For what purpose is Get method used in an HTML form? 1
6. (a) List three dialog boxes used for interacting with user in Javascript. 3
- (b) Differentiate between break and continue statement in Javascript. 2
- (c) Consider the following form : 5

First number :	<input type="text"/>
Second number :	<input type="text"/>
Third number :	<input type="text"/>
	<input type="button" value="SUM"/> <input type="button" value="AVERAGE"/>
Result :	<input type="text"/>

When a user clicks sum/average button the sum/average of three numbers in given text boxes should be displayed in result text box. Write a script using Javascript to achieve it.