

This question paper contains 6 printed pages.]

5469

Your Roll No.

B.A. Prog. / II

J

(A)

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.

Section - A

(Internet Technologies)

1. (a) What are the advantages and disadvantages of optical fibre.

2

[P.T.O.]

- (b) Differentiate between :
- (i) Peer to peer and client server network
 - (ii) Packet switching and circuit switching.
- 4
- (c) What is OSI model ? How many layers are there in OSI model ? Describe any two layers.
- 3
- (d) Explain Instant messaging with the help of a messenger.
- 1

Section - B
(DBMS)

2. (a) Define the following terms : 2
- (i) Entity
 - (ii) Data base schema
- (b) What are the advantages of the relational model over the Network data model ? 2
- (c) Describe the main components of a DBMS ? 2
3. (a) Explain second normal form with a suitable example. 3

(b) Write a short note on Data Mining and Data Warehousing.

2

4. A database consists of the following tables : 4

Student (Roll no., First name, Last name, Date of Birth, Course, Fees paid, Category)

Teacher (Code no., Date of Joining, Name, Address, Department)

Taught (Code No. of Teacher, Roll No. of Student, Subject)

Write the SQL commands to perform the following operations :

- (i) To find name and department of all teachers whose name begin with 'A' or 'J'.
- (ii) For each subject, display the names of the teacher teaching the subject and names of students who have taken up that course.
- (iii) To change the address of a teacher with code no 'T-101' to new address 'L-1 Block, House No. 74'
- (iv) Delete all records of students for course 'CS-II'.

Section - C
(HTML/Java Script)

5. (a) How the GIF Interlaced images are downloaded ? 1
- (b) What is anchor ? Which tag is used to link the two files and how ? 2
- (c) What is the use of the following HTML tags : 1
- (i) < SUP >
- (ii) < SMALL >
- (d) Write HTML code to create following document : 3

Contents :

1. Introduction to Internet
 - What is Internet
 - How to connect to internet
 - How much does it cost to create a home page
2. Basic concepts of the HTML language
 - Basic commands
 - Creating links to other pages
 - Forming the text

(e) Create the following HTML document :

4

A.html	B.html	C.html
d.html		

This page contains 4 frames. Each frame displays the contents of files written inside the frame, eg. frame I displays contents of file 'A. html'.

6. (a) Write Java Script to create following form :

3

Enter a

Enter b

Enter c

Largest

This forms takes input from user. User enter 3 numbers (a, b, c). When user moves in Input box with label 'Largest', Largest of 3 numbers is displayed there.