



R-1834

First Year B. C. A. (Sem. II) Examination

May / June - 2010

206 - Practicals

(New Course)

Time : Hours]

[Total Marks : 140

Instruction :

नीचे दशांशविक \leftarrow निशानीवाणी विगतो उत्तरवडी पर अवश्य कभवी.
 Fillup strictly the details of \leftarrow signs on your answer book.

Seat No. :

Name of the Examination :

Name of the Subject :

Subject Code No. : Section No. (1, 2,.....) :

Student's Signature

1 (a) Consider a structure as follow : 30

Struct Item_detail

```
{
    int it_code;
    char it_name[30];
    int qty;
    float price;
};
```

Write a C program to accept N-records from user and display information quantity-wise as follow :

Item Code	Item Name	Quantity	Price	Amount
:				
:				
Total Amount :				

- (b) Write a C program to display following character triangle for inputted string. **20**

e.g. input string → VNSGU

then output →

```
V
  V N V
    V N S N V
      V N S G S N V
        V N S G U G S N V
```

- 2 (a) Create following tables, apply the specified constraints and insert appropriate records in the tables : **20**

StudentMaster (StudCode, StudName, City, MobileNo)

CourseMaster (CourseCode, CourseName, CourseDesc)

Enrollment (StudCode, CourseCode, DateOfEnrol)

Constraints :

- StudCode and CourseCode should be declared as primary key at column level while creating tables.
- MobileNo must be of 10 characters.
- StudCode and CompCode should start with 'S' and 'C' respectively.
- If DateOfEnrol is not insert, then take default value as today's date.
- Create appropriate relationship between above tables.

- (b) Write appropriate SQL statement for the following : **30**

(1) Write a query to add a column 'Fees' in CourseMaster and its default value is 10000.

(2) Find information of course in which no student is yet enrolled.

(3) Get the details of students enrolled in course 'C001'.

(4) Get the details of course along with number of student enrolled in the course. If no student enrolled in the course, then also show the course details.

- (5) Get the details of the students who were enrolled in the year '2006'.
- (6) Display course wise detailed record of the students.
- (7) Get the details of course, for which sum of fee, for enrolled student is maximum.
- (8) Find information of the students who are not enrolled in 'B.C.A.' course.
- (9) Find information of student who lives in 'Surat' and pay 20000 fees.
- (10) Display Enrollment date wise detailed report of the students.

- 3** Create company of M/s Sunil Enterprise for the year 31st March, 2010 and enter the following balances under proper ledger in Tally : **20**

Purchase A/c	8,000
Rahul's Capital A/c	17,500
Sales A/c	19,000
Salaries	9,500
Advertisement A/c	2,250
Office Expenses	4,200
Furniture A/c	12,500
Naitik's loan A/c (Dr)	4,500
Tools A/c	2000
Drawings A/c	6,250
Wages A/c	4,500
Carriage A/c	5,000
Bank loan	10,000
Mukesh's A/c (Cr)	8,100
Cash in hand	5,000

- 4** Viva and Journal. **20**