

NOTICE

SENIOR COLLEGE

T.Y.BCOM SEMESTER SEM Vth

COMPUTER SYSTEMS & APPLICATIONS

A.T.K.T. PRACTICAL EXAMINATION

The Students of T.Y,BCOM. who failed in semester V Computer System and Application Practical Examination are hereby informed that their semester V A.T.K.T practical Examination will conducted online via google meet/zoom meeting on 03/05/2021 from 3 pm to 4.00 pm.

The students should mail their journal prepared as per the instruction failing which they will not be allowed to appear for the exam. The journal should be hand written and then the same to be mailed in pdf format on lalatycomputer@gmail.com on or before 03/05/2021.

The file name should be in the format of seatno_atkt_sem_V_studentname

Topics to be entered in the journal

- 1) **Functions of mysql**
- 2) **Functions of Excel Financial & Mathematical**
- 3) **Table creation of mysql**

Write a MySQL statement to create a table named ECHARGE containing information of the customers using electricity provided by XYZ company, having the columns Customer's identification number (C_ID, distinct integer), Customer name (CNAME, character, variable width 20, not empty), Customer's address (C_ADR, character, variable width 30), type of connection (TYPE, character, of width 12, containing default entry 'RESIDENTIAL', should not be empty) and units consumed (UNITS, positive integer).

- 4) **Queries**

A table called BIKE contains the columns Bike identification number (bikeid, integer, primary key, incremented automatically), Name of the bike(bikename, character, variable width 30 characters and cannot be empty), cost of the bike(bikecost, width 8 with 2 decimals), and the date of purchase of the bike(pr_dt, date). Write MySQL statements for the following :

- i) To show the structure of the table bike.
- ii) To change the name of the column bikename to bkname.
- iii) To change the size for the column bikecost from decimal(6,2) to decimal(8,2).
- iv) To add a column sale date(sl_dt) to the table. How will you indicate that this should be the first column in the table.
- v) To delete the column sale date(sl_dt)
- vi) To insert a row of data in the BIKE table giving the bikeid as 1, bikename as Honda, bike cost as 75,000 and purchase date as '2009-09-21'.
- vii) To change for table BIKE the contents of the column bikecost to 80,000 for bikeid 1.
- viii) To delete the row from the table BIKE where the bikename is 'Honda'
- ix) To delete all the rows from the table BIKE.
- x) To rename the table BIKE to MBIKE.
- xi) To delete the table MBIKE.

5) Retrieving Data from MySQL Table

There exists a table TAX containing the columns Employee number (E_NO, numeric), Employee name (E_NAME, character), Taxable income (INC, numeric) and Income tax (ITAX, numeric). Write MySQL queries for the following :

- i) Display employee number, employee name and taxable income from the table.
- ii) Display employee name, Income tax and 5% of the Income tax as 'Surcharge' for all the employees.
- iii) Display all the rows where the taxable income is above 5,00,000.
- iv) Display the first 5 rows from this table.
- v) Display the employee number and incomes of the employees whose income tax is

below 1,00,000.

vi) Display all the rows from this table where the employee name contains with 'a'.

vii) Display all the rows from this table where the income tax is between 50,000 and 1,00,000.

The link of the meeting will be shared in the whatsapp group by Mr. Nimesh G. Punjani

PRINCIPAL