

T.Y.B.Com. Sem-VI Computer Systems Practical List April 2023

1) Consider the following worksheet:

	A	B	C	D	E	F
1	Name	Gender	Dept	Salary	Bonus	
2	JATIN	M	HR	19000		
3	MUKESH	M	PURCHASE	14500		
4	DEEPIKA	F	SALES	28000		
5	ATUL	M	COMPUTER	34000		
6	JYOTI	F	HR	23000		
7	AMAR	M	PURCHASE	30000		
8	GANESH	M	SALES	35000		
9	KOMAL	F	HR	20000		
10	SHEETAL	F	PURCHASE	15000		
11						

Write steps to perform the following:

- To compute Bonus @ 40% of the Salary for salary upto ₹20,000 otherwise @50% of the salary in Column E.
- To find the Allowance @15% of the Salary for Salary above ₹25,000 otherwise @10% of the Salary in Column F.
- To find the average of salary of only the PURCHASE department in cell C12.

2) Employee no., Name and Salary are entered in columns A, B and C respectively as shown in the following worksheet. Write steps to compute Grade and Bonus in Column D and E respectively using VLOOKUP function. Policy table to be referred for finding Grade and Bonus is given in the range F2:H5.

	A	B	C	D	E	F	G	H	I
1	Emp. No.	Name	SALARY	GRADE	BONUS	SALARY	GRADE	BONUS	
2	20110	AMAR	10000			0	D	3000	
3	20111	ATUL	34000			10000	C	5000	
4	20112	BHUSAN	23000			15000	B	8000	
5	20113	DEEPIKA	20000			25000	A	12000	
6	20114	DILIP	9000						
7	20115	GANESH	9000						
8	20116	JATIN	30000						
9	20117	JEEVAN	15000						
10	20118	JOSEPH	14500						

3) The following table shows Roll no., Name and Total marks scored by those who have passed in an exam.

	A	B	C	D	E
1	ROLL NO.	NAME	Total Marks/600	GRADE	
2	1	ARCHANA	437		
3	2	DEEPAK	388		
4	3	KINJAL	344		
5	4	PIYUSH	322		
6	5	PRITAM	471		
7	6	PRIYANKA	307		
8	7	ROSHAN	478		
9	8	RUPESH	427		
10	9	SHRADDHA	455		
11	10	SONAL	389		
12					

Write steps to assign grade in column D using the following policy:

Total Marks	Grade
Less than 300	C
300 or more but less than 420	B
420 or More	A

4) The following data is entered in a worksheet regarding expenses (in ₹) during January, February and March.

	A	B	C	D	E
1	Item	Jan	Feb	Mar	
2	Food	11,200.00	11,000.00	11,800.00	
3	Clothing	6,500.00	8,000.00	7,500.00	
4	House Rent	10,000.00	100,000.00	10,500.00	
5	Miscellaneous	5,000.00	7,000.00	9,000.00	
6					

Write the steps to

- Find the total expenses in each month in the cells B6, C6 and D6.
- Create 3-D Bar chart for expenses of January, February and March.
- Create a Pie chart for the months of February.
- Create a Line diagram for the months of January and March.

5) The following worksheet displays the distance in Kilometers.

	A	B	C	D	E	F	G	H	I	J
1	Distance in Kms	Train Fare in ₹	Bus Fare in ₹		Distance In Kms	0	10	20	30	40
2	12				Train Fare in ₹	17	30	43	58	67
3	33				Bus Fare in ₹	19	33	48	64	71
4	27									
5	41									
6	9									
7	38									
8	22									

Write the steps to find the train and bus fare using HLOOKUP function in columns B and C. Policy table to be referred for finding the train and bus fare is given in the range F1:J3

6) The following is the Excel worksheet showing expenses under different heads for the year 2014.

	A	B	C	D	E
1	HEADS	EXPENDITURE IN 2014	INCREASE IN EXPENSES	EXPECTED EXPENDITURE	
2	Factory Expenses	2,500,000.00	75,000.00	2,575,000.00	
3	Administrative Expenses	878,000.00	50,000.00	928,000.00	
4	Selling and Distribution Expenses	344,500.00	80,000.00	424,500.00	
5	TOTAL EXPENSES	3,722,500.00		3,927,500.00	
6					
7			DIFFERENCE	205,000.00	
8					
9					

Manager assumes that the most likely scenario is 75000, 50000 and 80000 increase in respective headers and computers expected expenditure for the year 2015 in column D. Difference in total expenses in computed in cell D7. Using scenario manager, Explain steps to build new scenario (WORST) with 200000,150000 and 200000 increases in Factory Expenses, Administrative Expenses and Selling and distribution expenses respectively and show the summary of these two scenarios.

7) The following table shows Quantity, Unit Price, Sales Value and total sales value of three products.

	A	B	C	D	E
1	Product	Quantity	Sale Price per unit	Sale Value	
2	Lux	170	40	6800	
3	Dove	200	50	10000	
4	Cinthol	100	35	3500	
5		Total		20300	

Write steps in Excel using Solver to find how much quantity of each of these three products should be sold in order to achieve total sales of ₹1,00,000.

8) The following data has been entered in a worksheet:

	A	B	C	D
1	NAME	COUNTRY	NUMBER OF MATCHES PLAYED	
2	ROOT	ENGLAND	80	
3	DILSHAN	SRI LANKA	160	
4	KOHLI	INDIA	110	
5	CLARKE	AUSTRALIA	150	
6	AFRIDI	PAKISTAN	100	
7	AMLA	SOUTH AFRICA	90	
8				

Write steps to

- To display only the rows where number of matches played is less than 105.
- To display only the rows where the Country is "INDIA".
- To display only the rows where the players name starts with "A".

9) Write a project in VB to design a suitable form which allows the user to enter two numbers and calculate and display the sum of these two numbers.

10) Write a project in VB to design a suitable form which allows the user to enter amount in Rupees and rate of conversion to Dollars and then calculate and display equivalent amount in Dollars.

11) Write a project in VB to design a suitable form which allows the user to enter Basic Salary and calculate and display the BONUS as 80% of Basic Salary for Basic Salary up to ₹10,000 and 70% of Basic Salary otherwise.

12) Write a project in VB to compute and display the sum of the series

$$1+3+5+7+ \dots + 21$$