Question Bank

Practical Questions

Q. 1 PAYROLL PROJECT IN EXCEL: without Condition
Question: Prepare a generalized worksheet to produce a payroll statement in the format given below:

FORMAT OF REPORT
PAYROLL FOR THE MONTH OF ....
S.NO. NAME OF EMPLOYEE CATG. BASIC, D.A. HRA GROSS P.F. TAX NET TOTALS

Employee is entitled Basic Pay, DA, HRA. Gross salary is total of these three. Out of Gross he contributes 10% of Basic + DA towards PF and pays 25% of Gross as Income tax. Net is found after deducting PF and ITAX from the gross. DA is calculated 150% of Basic for those having basic up to 16000, and 100% for those having more than 16000 with a condition that a person having basic more than 16000 get a minimum DA of 24000. HRA for employeeof Category 'A' is Rs.1600, for B is 1200 and for C1000.

Q. 2. PAYROLL PROJECT IN EXCEL: With Condition
Question: Prepare a generalized worksheet to produce a payroll statement in the format given below:
FORMAT OF REPORT
PAYROLL FOR THE MONTH OF ....
S.NO. NAME OF EMPLOYEE CATEGORY, BASIC PAY, D.A. HRA, GROSS SALARY,
P.F., TAX, and NET PAY
Employee is entitled to Basic Pay, DA and HRA. Gross salary is total of these three.
DA is calculated 150% of Basic Pay for those having basic up to Rs. 16000, and 100% for
those having more than Rs.16000 with a condition that a person having basic more than
16000 get a minimum DA of 24000. HRA for employee of Category 'A' is Rs.1600, for B is Rs.1200 and for C, it is Rs.1000. Out of Gross he contributes 10% of Basic Pay + DA towards PF and pays 25% of Gross as Income tax.
Net is found after deducting PF and ITAX from the gross.

Q. 3 Mr. X took a loan of Rs. 5,00,000/- for modernization of his plant from SBI @ 15% p.a. for 5 years to be repaid n quarterly instalments.

Prepare a loan repayment schedule showing repayment of loan as per the format given below. Generalize the sheet to incorporate any changes in Year, Amount, Rate or Periodicity.

Q.4 Develop a spread sheet to conduct the following trend series analysis by utilizing the standard technique of least square (Use equation Y =a+bX).

Years	Actual output	Estimated Output
1999		
2000		
2001		
2002		
2003		
2004		
2005		
2006		
2007		
2008		
2009		

Generate actual output randomly between 125 and 200 and fix them before using. Also leave the randomly generated number son the sheet.

What shall be estimated value of output for the year 2015? Also draw a suitable chart showing actual and estimated output. Keep years on X-axis and output on Y-axis. Also calculate the correlation coefficient between actual and estimated output.

Q. 5 Prepare a spread sheet in MS Excel to classify 100 integers varying between 200 to 500, generated at random according to the following class intervals. (Fix them before grouping). Class Intervals

Class Intervals		Frequency
< 260		
260	- 320	
320	- 380	
380	- 420	
420 <		
Total		

Q.6: In cells A3 ...J12 (100 cells) enter positive numbers randomly as values of certain observation.
Group this data into 10 classes.
Calculate:

i   i. Mean from individual observation.

ii   ii. Standard Deviation from individual observation.

iii. Smallest observed value.
iv. Largest observed value
v. Frequencies.
vi. Mean from grouped data.
vii Standard Deviation from grouped data.

REGRESSION PROJECT IN EXCEL

Q 7: Develop a spread sheet in MS EXCEL, to compute the standard regression estimates for the set of following observations: Y (Dependent)

Y (Dependent)	Y (Estimated)
150	80
80	35
60	30
88	45
75	40
90	50

LOANSHEET PROJECT IN EXCEL

Q8: Develop an appropriate spread sheet in MS EXCEL to show the repayment with respect to a loan when the following basic input is given:

Amount of Loan: 10 Lacs

Rate of Interest: 10% p.a.

Period of Repayment: (in 10 years)

Periodicity of payment: (Monthly/Quarterly/Yearly)

Instalment: (Computed)

You are required to prepare the *Loan Repayment Schedule* in the following format with garbage cleaning :

Loan Repayment Schedule Period	Opening Balance	Interest Due	Instalment	Closing Balance