

Student Name	Marks	Result
Riya	45	Pass
Siya	72	Pass
Raju	55	Pass
Rahul	80	Pass
Ram	30	Fail

Que:1 Write a formula to check if the marks in cell B2 are greater than or equal to 40. If yes, return , "Pass" otherwise "Fail"

Ans: 1 Formula: IF(Marks>=40,"Pass","Fail")
Shows each student's marks and whether they passed or failed.

Employee	Sales	Attendance	Bonus
Arjun	55000	95	Bonus
Simran	65000	85	No Bonus
Rohit	30000	90	No Bonus
Anjali	25000	65	No Bonus

Que:2 A company gives a bonus if sales are above 40,000 and attendance is greater than or equal to 90%. Write a formula to calculate whether the employee will get a bonus or not .

Ans: 2 Formula=IF(AND(B10>40000,C10>=90),"Bonus","No Bonus")

Student Name	Marks	Grade
Raj	85	B
Neha	96	A
Vivek	57	C
Rani	92	A
Sneha	75	B

Que:3 Write a nested IF formula:
If marks in are B2≥ 90 → "A", ≥ 75 → "B", ≥ 50 → "C", otherwise "Fail"

Ans: 3 Formula: =IF(Marks>=90,"A",IF(Marks>=75,"B",IF(Marks>=50,"C","Fail")))

EmpID	Name	Department
E101	Raju	IT
E102	Riya	HR
E103	Roshni	Finance
E104	Sejal	Sales

Que:4 Find the Department of Employee ID = E103.
Also explain which LOOKUP function is used and why?

Ans: 4 **Finance**
Formula: =VLOOKUP(A27,A25:C28,3,FALSE)

Sales Amount	ommission Rate
0	5%
20000	10%

Que:5 A company has set the following commission structure for its sales team:
If a salesperson achieves sales of ₹45,000, use the VLOOKUP function to determine the commission rate applicable.

50000	15%
80000	20%

Ans: 5

15%

Formula: =VLOOKUP(A34,A32:B35,2,FALSE)

Employee Name	Leaves Taken	Leaves Allowed	Leave Status
Alex	10	12	OK
Bob	10	15	OK
Anna	8	12	OK

Que:6

The HR department maintains the following leave records of employees:onus or not
Write an IF function to check whether an employee has Exceeded their allowed leave balance. If Leaves Taken > Allowed Leaves, display "Exceeded".
Otherwise, display "OK".

Ans: 6

Formula: =IF(LeavesTaken>LeavesAllowed,"Exceeded","OK")

EmpID	Salary
E104	55000
E105	72000
E106	62000
E102	41000

Que:7

Find the salary of EmpID = E105 using INDEX-MATCH Function.

Ans: 7

72000

Formula :=INDEX(B47:B50,MATCH(A48,A47:A50,0))

EmpID	Department
E101	HR
E303	IT
E106	Sales
E301	Finance

Que:8

Use the XLOOKUP function to find the Department of the employee with
Emp ID = E303

Ans: 8

EmpID	Department
E303	#NAME?

Formula: =XLOOKUP(F56,A54:A57,B54:B57,"not available",0,1)
Departent is IT