

Data Validation Practice Solutions

Input Restrictions

1. Allow only numbers between 0 and 100 in the Marks column.

Ans - Select the Marks column, go to Data → Data Validation → Whole number → Between 0 and 100

2. Restrict Age to values between 20 and 40.

Ans - Select Age → Data Validation → Whole number → Between 20 and 40

3. Restrict Salary to values between 20,000 and 90,000.

Ans - Select Salary → Data Validation → Decimal → Between 20000 and 90000

4. Ensure Joining Date is not earlier than 01-Jan-2020.

Ans - Select Joining Date → Data Validation → Date → Start Date = 01/01/2020

5. Prevent blank entries in the Name field.

Ans - Use formula =NOT(ISBLANK(A2))

Dropdown Lists

6. Department dropdown list: HR, IT, Finance, Sales, Marketing.

7. City dropdown list: Delhi, Lucknow, Varanasi, Kanpur, Jaipur, Patna, Agra, Chandigarh, Bhopal, Gurgaon.

8. Grade dropdown list: A, B, C, D, F.

9. Employment Type dropdown: Full-Time, Part-Time, Contract.

10. Gender dropdown: Male, Female, Other.

Custom Formulas

11. Ensure Email contains '@gmail.com'.

Ans - =ISNUMBER(SEARCH('@gmail.com',F2))

12. Prevent duplicate entries in the Email column.

Ans - =COUNTIF(\$F:\$F,F2)=1

13. Allow only names with at least two words.

Ans - =IF(LEN(A2)-LEN(SUBSTITUTE(A2,"",""))>=1,TRUE,FALSE)

14. Ensure Marks > 40 if Department = IT.

Ans =IF(D2='IT',C2>40,TRUE)

15. Restrict Salary > 50,000 only if Department = Finance.

Ans - =IF(D2='Finance',E2>50000,TRUE)

Date & Time Validation

16. Restrict Joining Date to weekdays only.

Ans - =WEEKDAY(F2,2)<6

17. Allow Joining Date only within the last 5 years.

Ans - =F2>=TODAY()-(5*365)

18. Ensure Joining Date is earlier than today's date.

Ans - =F2<TODAY()

Dependent Validation

19. If Department = Sales, then City must be from (Delhi, Jaipur, Lucknow).

Ans - =IF(D2='Sales',OR(E2='Delhi',E2='Jaipur',E2='Lucknow'),TRUE).

20. If Age < 25, restrict Salary to less than 40,000.

Ans - =IF(B2<25,E2<40000,TRUE)