

Assignment # 1 (COL-1)

1. What is saturation deficit, Explain in detail?
 2. What is Monsoon? Also explain the following points in detail:
 - Types of monsoon
 - Monsoon in Pakistan
 - Causes of monsoon in Pakistan
 - Variability of rainfall due to monsoon in Pakistan
 - Effects of monsoon
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Assignment # 2 (CLO-2)

Problem # 1

Calculate the average precipitation for the following precipitation data using arithmetic average and Thiessen Polygon method.

Rain-gauge station	Area of Thiessen Polygon A (km ²)	Precipitation P (mm)
A	45	30.8
B	38	34.6
C	30	32.6
D	40	24.6

Problem # 2

Estimate average precipitation using Isohyetal method for the given data:

Isohyetes (cm)	9	10	11	12	13	14	15
Area b/w Isohyetes (km²)	22	80	105	98	78	16	
Average Precipitation (cm)	9.5	10.5	11.5	12.5	13.5	14.5	