

UNIT WISE QUESTION BANK

UNIT-I

S.No.	Questions	BTL	CO	PO
Part–A(Short Answer Questions)				
1	Define Hydrology.	L1	CO1	1
2	What is the hydrologic cycle?	L1	CO1	1
3	List the forms of precipitation.	L1	CO1	1
4	What are recording rain gauges?	L1	CO1	1
5	What are non-recording rain gauges?	L1	CO1	1
6	Define rain gauge network.	L2	CO1	2
7	What is mean precipitation over an area?	L2	CO1	2
8	What is meant by missing rainfall data?	L2	CO1	2
9	Define consistency of rainfall records.	L2	CO1	2
10	What is Probable Maximum Precipitation (PMP)?	L1	CO1	1
Part– B(Long Answer Questions)				
1	Explain the hydrologic cycle with neat sketch and discuss its components.	L4	CO1	2
2	Describe different forms of precipitation and factors affecting precipitation.	L4	CO1	2
3	Explain recording and non-recording rain gauges with neat sketches.	L4	CO1	2
4	Discuss methods of determining average precipitation over a catchment area.	L4	CO1	3
5	Explain estimation of missing rainfall data and consistency analysis of rainfall records.	L4	CO1	3
6	Describe Depth-Area-Duration (DAD) relationships and their significance.	L4	CO1	3
7	Explain Intensity-Duration-Frequency (IDF) curves and their applications.	L5	CO1	3
8	Discuss Probable Maximum Precipitation (PMP) and its estimation.	L4	CO1	3
9	Explain the characteristics of precipitation in India.	L4	CO1	2
10	Describe rainfall data collection and management practices in India.	L4	CO1	2