

UNIT-III

S.No	Questions	BTL	CO	PO
Part-A(Short Answer Questions)				
1	Define hydrograph.	L1	CO3	1
2	What is flood hydrograph?	L1	CO3	1
3	Define effective rainfall.	L1	CO3	1
4	What is base flow?	L1	CO3	1
5	What is hydrograph analysis?	L2	CO3	2
6	Define unit hydrograph.	L1	CO3	1
7	State the assumptions of unit hydrograph theory.	L2	CO3	2
8	What is S-hydrograph?	L1	CO3	1
9	What is a synthetic unit hydrograph?	L1	CO3	1
10	List the applications of unit hydrograph.	L2	CO3	2
Part-B(Long Answer Questions)				
1	Explain the components and characteristics of a hydrograph.	L4	CO3	3
2	Describe hydrograph analysis and runoff distribution.	L4	CO3	3
3	Explain effective rainfall and base flow separation methods.	L4	CO3	3
4	Discuss flood hydrographs and their applications in hydrology.	L4	CO3	3
5	Explain the theory, assumptions and limitations of unit hydrograph.	L4	CO3	3
6	Describe the procedure for deriving a unit hydrograph from observed data.	L4	CO3	3
7	Explain applications of unit hydrograph in flood estimation.	L4	CO3	3
8	Describe S-hydrograph and its derivation.	L4	CO3	3
9	Explain synthetic unit hydrograph methods.	L4	CO3	3
10	Compare unit hydrograph and synthetic unit hydrograph approaches.	L5	CO3	3