

Ans-1) Method of Construction of unit hydrograph

- 1) Ideally, unit hydrographs are derived from isolated storms. If the duration of the various storms do not differ very much, say within a band of $\pm 20\%$, they would all be grouped under one avg duration of $\bar{D}-h$.
- 2) In practical applications unit hydrographs of different durations are needed they are best derived from field data.
- 3) Lack of adequate data normally precludes development of unit hydrographs covering a wide range of durations for a given catchment.