

Q-3 SECTION-1

Ans-2 Base flow is to be deducted from total storm hydrograph to obtain the surface flow hydrograph. In this method the separation of base flow is achieved by joining with a straight line the beginning of surface runoff to a point on the recession limb representing the end of direct runoff.

→ The term "100-year flood" is used to describe the recurrence interval of floods. The 100-year recurrence interval means that a flood of that magnitude has a one% chance of occurring in given years. In other words, the chances that a river will flow as high as 100-year flood stage this year is 1 in 100.