Module 107 - Hydrographs Activity Questions

Activity 1

1. A hydrograph is a graph showing ______________________, ______________________
   ______________________ or other properties of water flow with respect to time. When the
   stage is plotted against time, the graph is a ___________ hydrograph. When the discharge is
   shown against time, the graph is a ________________ hydrograph. The latter being the most
   commonly used form, is simply called a ________________________.

2. List the various types of hydrographs.
   a. _________________________hydrograph
   b. _________________________hydrograph
   c. _________________________hydrograph
   d. _________________________hydrograph
   e. _________________________hydrograph

3. Identify the various hydrograph components shown on the following hydrograph:
A: ____________________________
B: ____________________________
C: ____________________________
D: ____________________________
E: ____________________________

A-C ____________________________
C-E ____________________________
B-D ____________________________
A-E ____________________________

ABCDEA _______________________

(Refer to pages 9-10 in Module 107 for Activity 1 solutions)
Activity 2

1 List five uses made of hydrographs in the SCS. (fill in the blanks)
   a. _____________________________________________ evaluations
   b. Design of _______________________________________________
   c. Flood plain d Emergency _________________________________
   d. Emergency _________________________________
   e Farm ___________________________________________________

2 The primary purpose of using hydrograph analysis is to ensure a safe _______________ of 
   structural works. Hydrographs are an integral part of SCS procedures in the ____________
   Program. Hydrographs, or some feature of them such as peak discharge, are used in the planning 
   and design of, __________________________ structures.

(Refer to page 14 in Module 107 for Activity 2 solutions)