

# IDOWU OLAGOKE

17/ENG03/025

- 1) Software used in carrying out hydrometer study of a place;
  - SWAT: is a tool used to evaluate at a basin scale. It is focused in precipitation, Runoff modelling and transport of water and solutes through surface flow
  - PRMS: This stands for Precipitation Runoff Modelling System. It is a modelling system of spatially distributed parameters which represent the physical processes of a basin. It evaluates the effects of several combinations of geomorphology, type of soil and climatic parameters in the hydrological response of a basin,
  - IRIC: International River Interface Cooperative is a software developed with the purpose of offering a complete simulation environment of the riverbed and its result can be used to analyze, mitigate and prevent disasters.
  - QGIS: Is the most popular GIS (Geographical Information system) tool with an impressive trajectory and a warrant community
  - SAGAGIS: Is a GIS platform oriented to spatial analysis. SAGAGIS is a simple but powerful tool.

2.

time	runoff	baseflow	direct runoff	depth of direct runoff	2hr unit hydrograph ordinate
1	110	110	0	1.415	0
2	120	110	10	1.415	7.067138
3	230	110	120	1.415	84.80565
4	570	110	460	1.415	325.0883
5	640	110	530	1.415	374.5583
6	430	110	320	1.415	226.1484
7	290	110	180	1.415	127.2085
8	200	110	90	1.415	63.60424
9	160	110	50	1.415	35.33569
10	120	110	10	1.415	7.067138
11	90	90	0	1.415	0
12	80	80	0	1.415	0

Chart Title

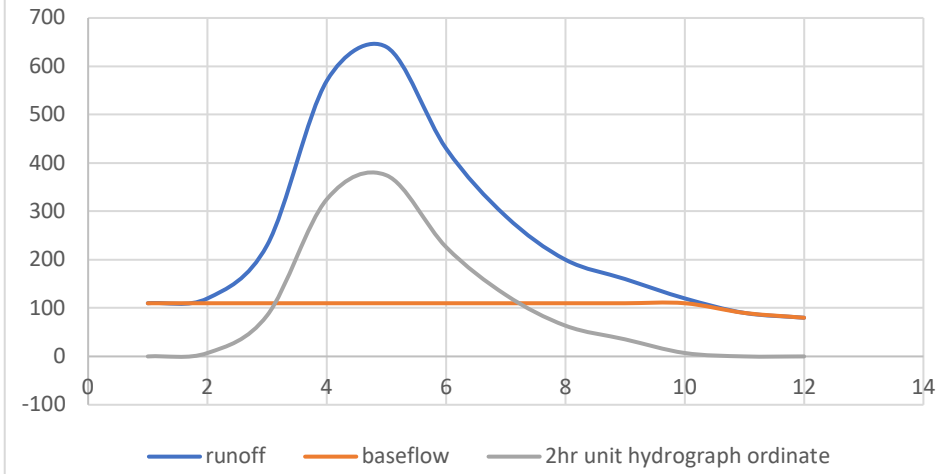


Chart Title

