Program Learning Oniv2 1-0

Quantitative Reasoning Rubric

GEOL 4320 Hydrogeology, Winter 2017
Exam #3 (Final Exam)

Instructions: You have the full final exam period (1 hour and 50 minutes) for this exam. It is worth 100 points. You are allowed to use a calculator and a ruler

Figure 2. Topographic map with six wells at the given locations. There is a stream at the bottom of the map flowing left to right. Depth to groundwater is listed in parentheses next to each well, and topographic contours are labeled with elevation. The stream bed is at an elevation of about

9) During a certain time of year, a person dumps some contamination into the aquifer in Figure 2 (maybe leaves it in the streambed, or something). Estimate the advective velocity at which the contaminant might be transported, in units that make sense (e.g., meters per day or similar). (5 points)

10) Identify and explain two physical or chemical mechanisms that might affect the contaminant velocity calculated in #9.

a) Identify and describe a process by which the 0 Td( )Tj0.3eminant

Department of Earth and Environmental Sciences, CSCI

ASSESSMENT PLAN: B.S. in Environmental Science

PROGRAM MISSION

CSUEB Environmental Science Program Description

The Environmental Science program provides interdisciplinary scientific preparation for students wishing to pursue knowledge and employment in the fields of environmental research, consulting, and oversight. Additional objectives of the program include provision of sufficient preparation for graduate studies in environmental sciences and allied fields and partial satisfaction of the Single Subject Matter Preparation Program for a teaching credential in science.

The Bachelor of Science degree major in EnvTc 0.001 TB

Year 4: 2016-2017

1.Which PLO(s) to assess