

1) Name 3 factors affecting the velocity of a running water (runoff) [3 Marks]:

..... slope of the stream ..... Discharge of water .....  
..... shape -  $\rightarrow$  size and toughness of the channel .....

2) Sorting of stream sediments reflects change in the streams' Deposition [1 Mark].

3) The most important agent of Earth's wearing is runoff [1 Mark].

4) Flaky (platy) minerals like mica, when subjected to high pressure, they orient themselves in a direction of force to the direction of the exerted stress. [1 Mark].

5) Define the followings [5 Marks]:

A- Potholes. ~~when Erosion~~ In the Erosion of stream work the pebble that carries with the sediments make pore circular holes

B. Saltation. ~~formation of the~~ (bad) type of the work groundwater and formation of the ~~bad~~ (bad)

C. ppm. parts per million / measured the (In solution) dissolved load

D- Karst phenomenon. ~~low~~ type of Metamorphic Rock and has low temperature and contain Basalt

E- Cone of depression. when we pumped the water from the saturated zone, the zone be dry and occurs in wells.

6) As a Civil Engineer what do you recommend to do to prevent the sea salt water polluting the wells dug near the shore in the fresh water aquifers? [2 Marks]:

1) Network the recharge wells. X

2) building large ~~bars~~ bays. X

7) We name a dug groundwater well an artesian well if : [2 Marks]:

1) ~~the~~ we don't pump the water and it out only & And have a charge of Area and line of pressure.

8) The part of an aquifer that lies below the water table is called [1 Mark]:

..... Saturation Zone / aquiclude .....

9) Metamorphism does not mean melting but dependent of the high ~~and~~ [1 Mark]. temperature and pressure

10) The first phase in the metamorphism of shale is the rock slate [1 Mark].

11) Degree of foliation in the metamorphic rocks depends on 2 factors; they are

[2 Marks]: ~~Amount~~ Amount of Metamorphic

& Type of Metamorphic