

Q. (1): Fill the spaces:

1- Name 4 external factors affecting mass wasting:

- 1- Vibration 2- loading at the top of the slope
3- removal of vegetation cover 4- removal of support at the foot of the slope [4 Marks]

2- There are two types of weathering; they are: 1- physical weathering (disintegration)
2- chemical weathering (dissolution) [2 Marks]

3- The soil which is rich in calcium carbonate is called Pedocal [1 Mark]

4- Organic materials when decompose in soil rich with water they form stagnant of water (Flow) [1 Mark]

5- Name 4 methods to protect land from sliding (or mass from wasting or soil from erosion):

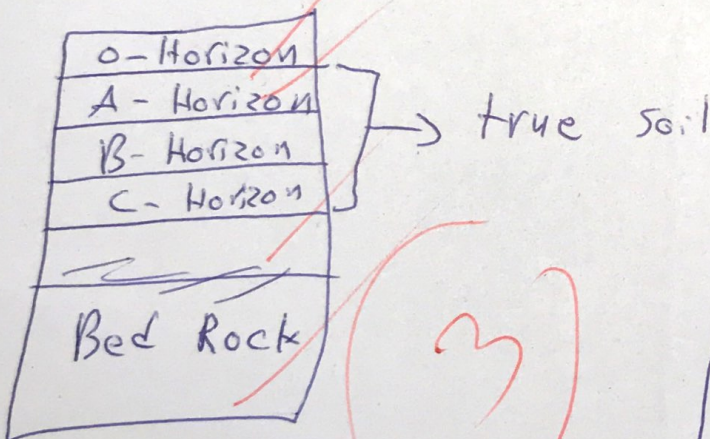
1. retaining structure 2. oiling the surface
3. treatment of the slope ditches/tranches/Drainage tunnels [4 Marks]

6. Solifluction is type of mass wasting that is ~~occur~~ ^{occur} in permafrost region (frozen zone), occur on the zone above the permafrost name (active zone) [3 Marks]

7. In spite of the fact that both weathering and erosion lead to destruct/deform the earth's surface; they

give rise to some advantages like 1) size like clay material 2) surface of the material and joints [2 Marks]

8. Draw the optimum soil profile and put its main parts on: [3 Marks]



- O-Horizon (Rich organic matter and thin layer)
A-Horizon (Eluvial Horizon and contain 30% humus)
B-horizon ((sub soil) of zone of accumulation that remove from (A-B))
C-Horizon (weathered Bed Rock)