

Q. (1): Fill the spaces:

1- Name 4 external factors affecting mass wasting:

1- Removal of the support at the foot of slope - Vibrations

3- Leaching at the top of the slope 4- removing vegetation cover [4 Marks]

2- There are two types of weathering; they are: 1- Mechanical (Physical) weathering

2- Chemical weathering [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 humus [1 Mark]

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

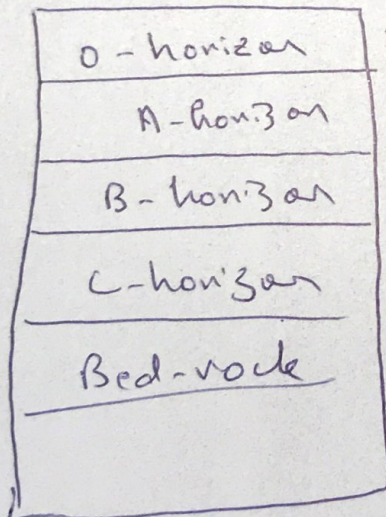
1- oiling the surface 2- treating the slope (flattening slope, removing load, increase vegetation cover)

3- using retaining structures 4- drainage (tunnels, trenches, ditches) [4 Marks]

6. Solifluction is a type of mass wasting in regions of permafrost (regions of permanent freezing ground in earth, tundra and ice cap climate) [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) Taking valuable rocks and minerals 2) formation of the soil (transported-soil) [2 Marks]

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



20
20

4

2

4

3

3

2

3

1

3

3

3

3

3

3

3

3

Zone above the permafrost called active zone which melts in summer and freezes in winter it can be considered as a type of creep