**FORM 4 2021 TERM 1 EXAM,MARKING SCHEME**

 **GEOGRAPHY**

1.a)A lake is a hollow depression/basin on the earth’s surface where water has accumulated. (2 mks)

b)L.paradise

 L.Simbi

 L.Chala (1 mk)

c)Corrie lake-Formed on a glaciated highland/mountain.As glacier moves down the slope,it erodes by scooping materilas,leaving a depression known as a corrie. When water accumulates in the depression,a corrie lake is formed. (3 mks)

Oasis-In desert and semi-desert areas,wind erodes by deflation,forming depressions known as deflation hollows. If erosion continues to reach the water bearing rocks,water oozes from the water table into the depression,forming an oasis. (3 mks)

d)They provide water for irrigation

They provide water for domestic and industrial use

They act as tourist attractions who bring in foreign exchange

They act as fishing grounds

Some are used to generate H.E.P

Some contain valuable minerals (5 mks, Any other relevant answer)

e)i)Deforestation destroys catchment areas leading to reduction of water fed into the lakes,hence shrinking of lakes

Deforestation leaves the land surface bare and exposed to erosion,which carries soil into the lakes causing siltation,hence affecting transport and aquatic life (2 mks)

ii)Water weeds hinder transport in the lakes by choking water

Water weeds hinder fishing activities by destroying breeding grounds (2 mks)

2.a)Seeking permission from the school authorities

Conducting a reconnaissance

Preparing a working schedule (2 mks)

ii)The land becoming bare or having less and sparse vegetation cover

Dust/sand storms

Drought resistant crops

Sparse settlements

Wind erosion (2 mks,Any other relevant answer)

iii)Reafforestation

Adopting energy-saving jikos/stoves to control deforestation

Controlling overgrazing

Planting cover crops (3 mks,Any other relevant answer)

b)Dunes

Draas ( 2 mks)

3.a)Stalactites

Stalagmites

Caves (3 mks)

b)i)Areas with high rainfall have high levels of underground water while areas of low rainfall have low levels of underground water.Light showers for long hours contribute to more underground water than heavy rains for short hours. (2 mks)

ii)Areas with vegetation cover have more underground water than areas with less/no vegetation cover. This is because the vegetation tends to slow down runoff and give water time to infiltrate. (2 mks)

c)When a stalactite grows and touches the floor of the cave

When a stalagmite grows and touches the roof of the cave

When a stalactite and a stalagmite grow to meet (3 mks)

4.a)Soil profile is the vertical arrangement of soil in layers from the surface to bedrock while Soil catena is the arrangement of soil down a slope (4 mks)

b)Organic matter

Water

Air (3 mks)

c)Sand

Clay

Loam (2 mks)

d)Overgrazing leaves the soil loose, bare and exposed to agents of erosion (2 mks)

Poor cultivation methods- Eg. Ploughing along/down the slope facilitates erosion (2 mks)

Deforestation leaves the soil exposed to erosion

Mining ( Any other answer correctly explained)