

Name = Ahmed. Adil.  
I.D = 16586  
Section = B  
Paper = Engineering geology.

### Section. A. Answers.

(a) :- Frost wedging and frost heaving.

(b) :- Change in Sediment grains Comes

due to the constant abrasion with

the river floor and with other grains.

the two most common grain appearance

in a river are ; Rounded grains and angular grains.

(c) :- Loose Sediments Changes into Solid

rock by a process know as lithification

when the Sediments are deposited over



The Sea floor, the over burden pressure and cementing minerals harden the Sedimentary rocks.

(d) The two main changes that commonly occur during metamorphism are the change in texture of the rocks and the internal minerals.

### Section "B" Answers -

(ii) Same answer as (b).

(i) Can only be solved on the question paper.

### Section "C" Answers -

(1) - Cinder Cone volcano erupts both ash and lava flow. and it has steep walls.



(ii) During eruption the dissolved and trapped gases in magma expands and escape violently into the atmosphere thus producing an ash column over the volcano.

(b)

(i) Earthquakes in episodes.

(ii) Ash fall will certainly damage nearby buildings and will damage the vegetation.

Section "D" Answer.

- (1) -
- (1) Weathering.
  - (2) Erosion.
  - (3) Erosion.
  - (4) Weathering.

(2) Acidic rain water cause limestone to weather away the water contain  $H_2SO_4$ .



(iii) - Igneous rocks are made up of  
Lava / magma, where the heat can  
consume every thing.

(iv) - Granite takes much longer to cool  
deep underground than basalt lava at  
the earth surface. That's why they are  
different in size.

(v) - Land slide is responsible for producing  
large poorly sorted scree at the  
bottom of cliff.

---

---

The End.