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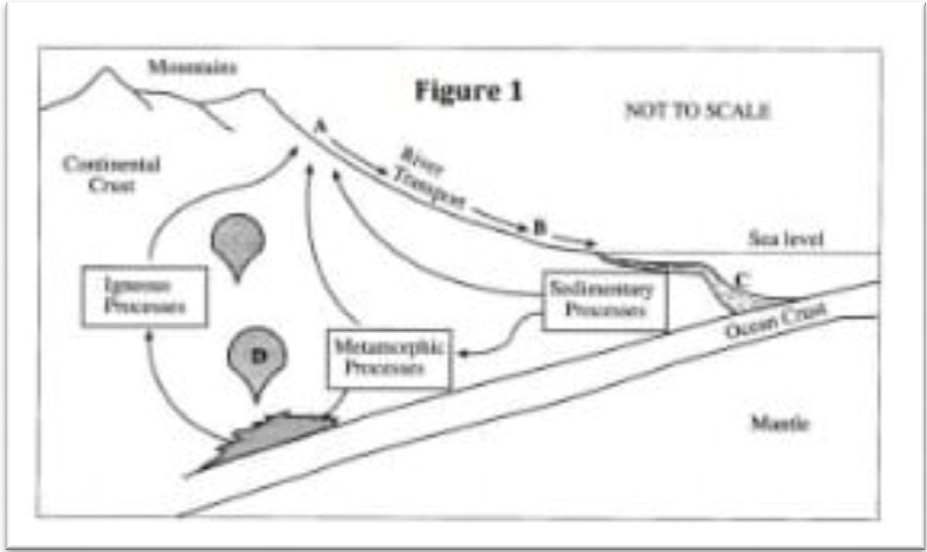
ID :- 7462

Subject :- Engineering Geology

Semester :- 12<sup>th</sup>

Exam :- Mid term

Programme :- "BEC"





Q # A

page # 01

Figure # 01

Ans:-

"A":

Frost wedge weathering.

"B":

The sediments rounded edges by transportation. The grain during A having high velocity and angularity while a position B the grain velocity decrease and its angularity convert into roundness.

"C":

At C stage the sediments convert into solid rocks due to lithification process which is compaction and cementation.

"D":

When rock undergoes burial condition then metamorphism occur.

The change may be new textures.

New mineral assemblages, or both, at point "d" due to high temperature. The rock start melting and magma generation occur due to crustal anatexis.

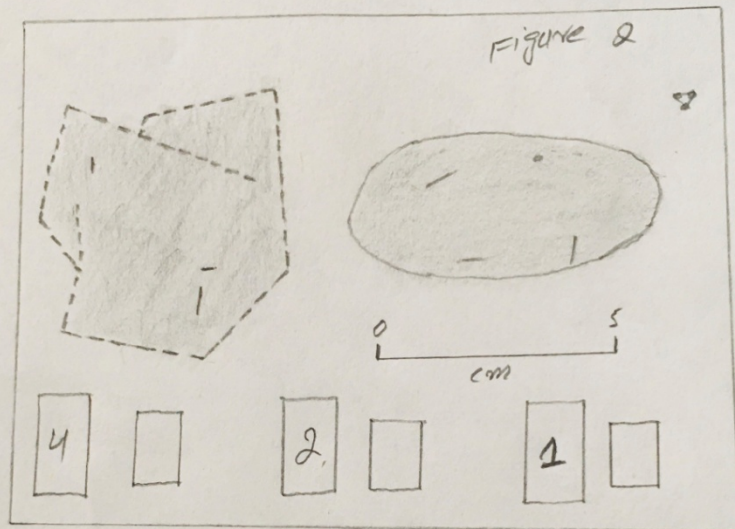


Q # 13

Figure # 02

Ans :-

Ans # I →



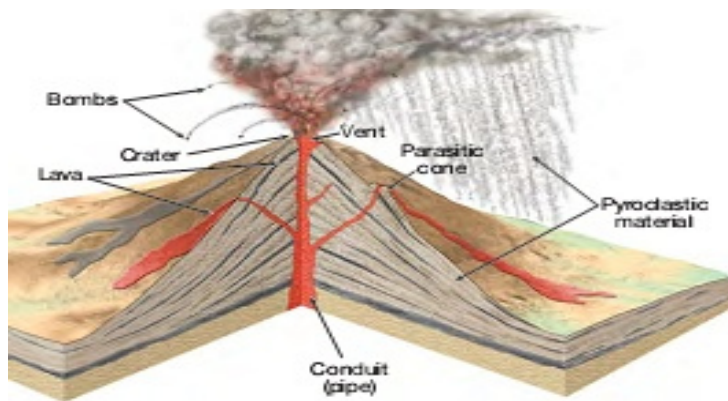
Ans # II

The sediments change due to transportation in a river. When sediments detach from the source then its initial is angular after that when it move downstream then its ~~deg~~ edges and angularity decrease.

Q#C

Figure#03

Part#01 Answer



c. Figure 3 i. Cinder Cone volcanoes

. if eruption take place more then one time than it will be composite or stratvolcano



Q # C''

page # 03

Figure # 3

Ans:-

II: a, magmas contain varying amount of dissolved gases (volatiles) held in the molten rock by con-finining pressure, just a carbon dioxide is held in can and bottles of soft drinks.

I: Signs of volcano eruption is fissure and and fracture happen in earth surface.

II: Impacts of volcano on human life is destroy the life and cause damage of building



Q# 10

page # 04

Ans: I

Statement	weathering / erosion
Break down of rock ----	weathering
Weathering away of rock during	Erosion
A process caused by wind ----	Erosion
An effects of plants.	mechanical weathering

II: The limestone erosion occur quickly as compared to sandstone due to their chemical composition which is susceptible for chemical weathering. water having carbonic acid when it pass from atmosphere in which CO<sub>2</sub> present it make water acid and weathering of limestone happen quickly.

III: The igneous rock formed from lava / magma which posses high temperature which melt the living thing so organism cannot preserved at that temperature.

IV: Granite magma take place long time in subsurface for crystallization which result large crystals while in contrast the basaltic lava cool rapidly which take short time for crystallization led small crystal.

V: The large sediments in scree is due to less transportation and less erosion.