

1

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Section

A

Paper

Engineering geology

Submitted to

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QUESTION NO "A"

ANSWER NO (a)

Weathering process

ANSWER NO (b)

By grain size

and soundness

ANSWER: NO (c)

By the process
of cementation and

P.T.O

lithification.

ANSWER No (d)

Deeply buried rocks
undergo two main changes

1) Mineralogical

2) structural

QUESTION No (B)

ANSWER No (i)

No 1 shape

Rounded pebbles
and sand.

No 2 shape:-

Sloping
sand layers.

P.T.O

No 3 shape r

Angular boulders.

QUESTION NO B

ANSWER NO (i)

Sediment transport
relies on water flow to
move a load downstream

water flow is variable,
affected not only by the
local terrain. But by
water level which in turn
is influenced by precipitation.

Most changes in water
level are due to
weather events such
as rainfall.

P.T.O

QUESTION NO "C"

ANSWER NO (i)

The type of volcano which is shown in figure (3) is composite volcano and the category in which it fits is active volcano.

ANSWER NO (ii) (a)

Gas trapped in the magma cause the volcano to build pressure and it is released with great violence when reaches the vent.

ANSWER NO (ii) (b)

(i) :- Earthquakes frequent

(ii) :-

1) Threat to life of humans etc.

2) Ash particles penetrates

5

machinery causing damage
to them.

QUESTION NO (D)

ANSWER NO (i)

<u>Statement</u>	<u>weathering or erosion</u>
1) Breakdown of rock without it being moved	Weathering
2) Wearing away of rock during transport of rock particles.	Erosion
3) A process caused by wind, running water and moving ice	Erosion
4) An effect of plant roots growing in rock joints and fractures	Weathering.

P.T.O

6

ANSWER No (ii)

Dissolved CO₂ in rainwater causes limestone to be dissolved quickly than sandstone.

ANSWER No (iii)

Because igneous rocks are formed at high temperature and pressure which destroy the fossils if present in the surrounding rocks as in its parental materials.

ANSWER No (iv)

Granite has large size crystals than basalt because granite takes longer time to cool due to low temperature difference at greater depth.

P.T.O

7

ANSWER NO (V)

Scree sediments
at the bottom of
a cliff are larger
angular and poorly sorted
because of the process
of Glacial Transported.
