Dr. Manisha Kumari
Assistant Professor
Deptt. of Geography
S.B. College, Ara

MARCH 2017

Wk	M	T	W	T	F	S	S
09			1	2	3	4	5
10	6	7	8	9	10	11	12
11	13	14	15	16	17	18	19
12	20	21	22	23	24	25	26
13	27	28	29	30	31		

FEBRUARY '17

SATURDAY 11

DAY 042-323 | Wk 06

B.A. Part - I (+Hons. + Subs.) Paper - I Date - 04/05/20

Physical Geography (Unit - III)

* Wind Topography (Continued)

Erosional Arid / Wind landforms :

- Deflation
- Attrition
- Abrasion / Corrasion

Water Eroded Arid landforms

- Rill
- Gully
- Ravine
- Badland Topography
- Bolsons
- Playas
- Pediments
- Bajada

Wind Eroded Arid landforms

- Deflation basins / Blow out
- Mushroom Rocks / Gara
- Inselbergs
- Stone lattice
- Demoiselles
- Dreikanter
- Zeugen
- Yardangs
- Wind bridges & Windows.

SUNDAY 12

A man is the sum of his actions, of what he has done, of what he can do, Nothing else.

- Mahatma Gandhi

'17 FEBRUARY

13 MONDAY

Wk 07 . DAY 044-321

FEBRUARY

Wk	M	T	W	T	F	S	S
05			1	2	3	4	5
06	6	7	8	9	10	11	12
07	13	14	15	16	17	18	19
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* Work of Wind :-

Erosion | Transportation | Deposition

→ The wind or Aeolian erosion takes place in the following ways, i.e., deflation, abrasion and attrition.

→ Deflation :- Removing, lifting and carrying away dry, unsorted dust particles by winds. It causes depressions known as blow outs.

(Blowing wind blow away and break down the rock particles.)

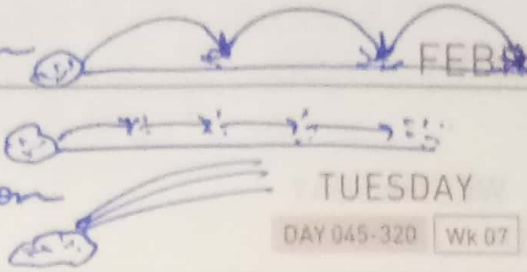
→ Abrasion / corrasion :- When wind loaded with sand grains erodes the rock by grinding against its walls is called abrasion / corrasion. (Rubs along the surface and breaks down)

→ Attrition :- Attrition refers to wear and tear of the sand particles while they are being transported. (The particles rubs against one another)

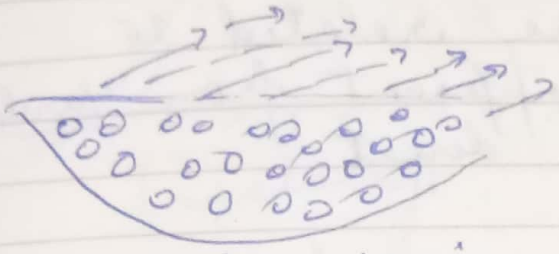
* Wind Eroded Arid Landforms are as follows :-

Transportation

- (i) Saltation
- (ii) Creeping
- (iii) Suspension



1.) Deflation Basins :—



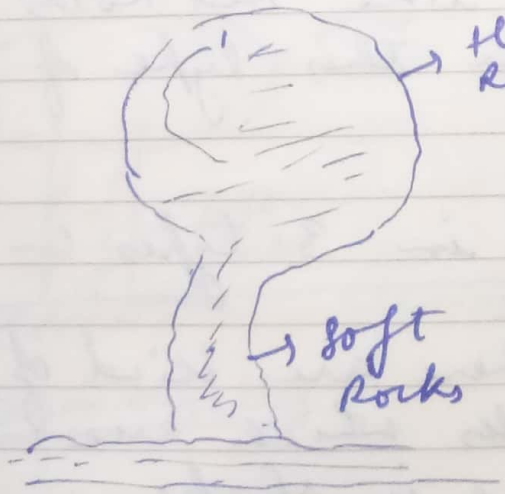
Deflation basin

⇒ Deflation basins are also known as blowouts.

⇒ Hollows formed by the removal of particles by wind.

⇒ Deflation basins are generally small, but may be up to several kilometers in diameter

2.) Mushroom Rocks :—



(Commonly seen in The Shara desert)

A Mushroom Rock also called rock pedestal or a pedestal rock, is a naturally occuring rock whose shape, as its name implies, resembles a mushroom.

⇒ Hard rocks becames as it is and soft rocks cut down.

⇒ The rocks are deformed in a number of different

'17 FEBRUARY

15 WEDNESDAY
Wk 07 DAY 046-319

FEBRUARY
Wk	M	T	W	T	F
05			1	2	3
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07	13	14	15	16	17
08	20	21	22	23	24
09	27	28			

ways :- by erosion and weathering, by glacial action or from a sudden disturbance.

⇒ Mushroom rocks are related to demoiselles but different from Yardang

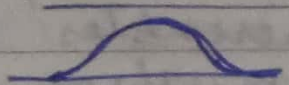
⇒ Gour - in Sahara desert

3.7 Inselbergs :→ A monadnock or inselbergs is an isolated hill, knob, ride, outcrop or small mountain that rises abruptly from a gently sloping or virtually level of surrounding plains.

→ Residual hills which can be seen in the desert areas like Red Rocks in Australia. In Nigeria this type of rocks also found.

⇒ It can be classified in 3 types :-

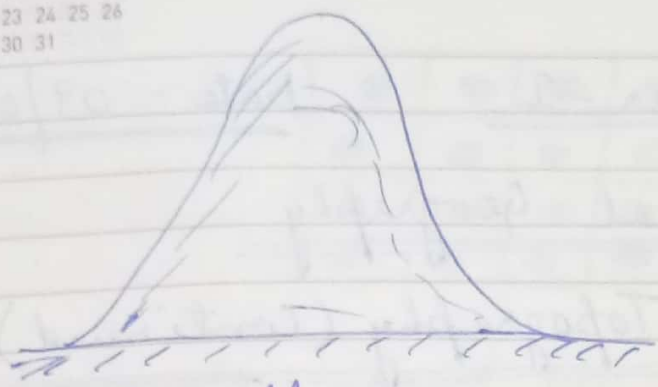
(i) Bornhardts :- There are kind of rocks which are dome in shape.



(ii) Knoll / Block :- There are conical in shape.

(iii) Castle Hoppies → There are castle in shape, stru distributed ~~in~~ much more evenly.

Life is a succession of lessons which must be lived to be understood. - Thomas C



Inselbergs.

4.) Demoiselles :→ They are also known as Earthpillars and ~~Hoodos~~ Hoodos.

→ Similar to Mushroom Rocks. Hard Rocks in upper part and soft rocks in lower part.

Demoiselles

→ They are appear as Pillars

→ There are rock pillars which stand as resistant rocks above soft rocks as a result of differential erosion of hard and soft rocks.

5.) Zeugen :→ A table shaped area of rock found in arid and semi-arid areas formed when more resistant rock is reduced at a slower rate than softer rocks around it.

→ Horizontal arrangements of Hard rocks & soft rocks.