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17 MAY

26

FRIDAY
Wk 21 DAY 146-219

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

B.A. Part - III Paper - V Date - 28/06/202

Geographical Thoughts and Three Southern Continents

* Hydrological Cycle

Components of Hydrological Cycle :-

6.7 Interception :->

Interception is the process of interrupting the movement of water in the chain of transportation events leading to streams.

-> When rain first begins, water striking the leaves and other materials spreads over the surface or collects at points of edges.

-> In other words, Interception refers to precipitation that does not reach the soil, but it is instead intercepted by the leaves and branches of plants and the forest floor.

7.7 Infiltration :->

Infiltration is the

People with integrity do what they say they are going to do. Others have excuses.

2017						
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			1	2	3	4
22	5	6	7	8	9	10
23	11	12	13	14	15	16
24	17	18	19	20	21	22
25	23	24	25	26	27	28
26	29	30	31			

SATURDAY

DAY 147-218

Wk 21

27

physical process involving movement of water through the boundary area where atmosphere interfaces with the soil.

→ Infiltrated water and water stored in the soil, can become subsurface runoff.

→ In ^{other} words, we can say that some precipitation seeps into the ground-water and is stored in layers of rocks below the surface of the Earth.

This water stays there for varying amounts of time. Some water may evaporate into the hydrological cycle within days, while other water will stay in the ground for centuries or more.

→ This process of precipitation seeping into the groundwater and it is known as infiltration.

→ It is measured in inches per hour ^{SUNDAY 28} or millimeters per hour.

→ It is measured by using infiltrometer.

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29

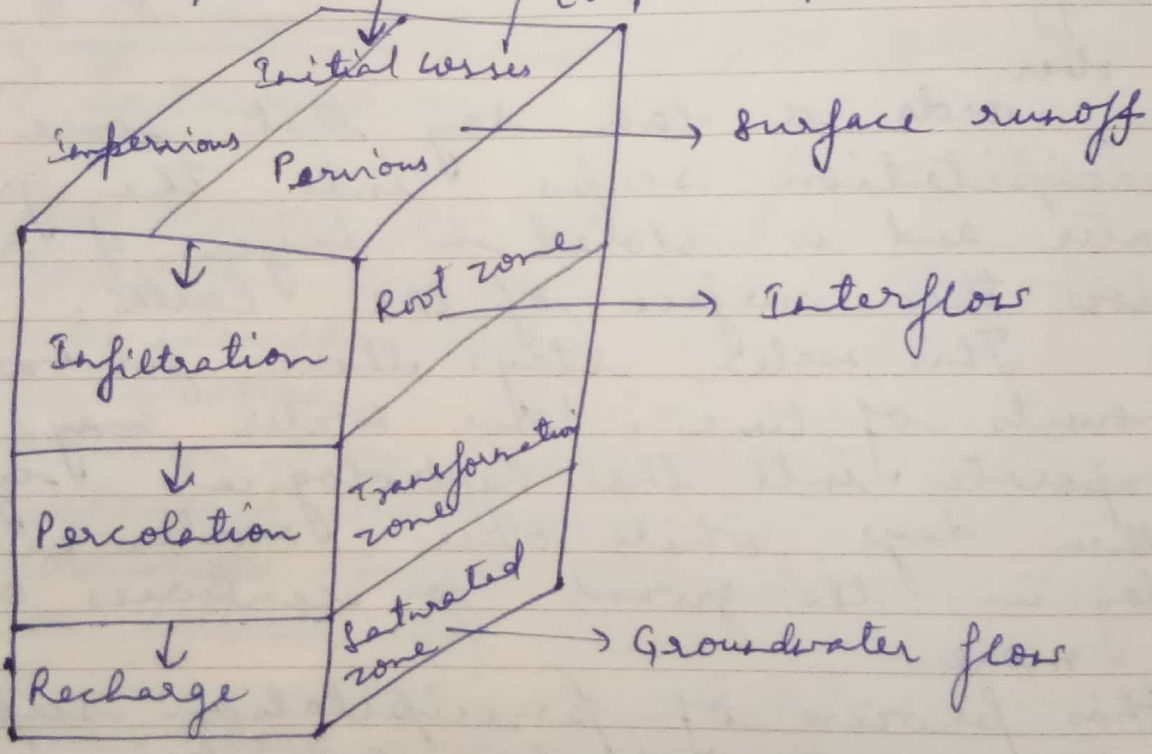
MONDAY

Wk 22 DAY 149-216



Precipitation

Evapotranspiration



Process of Infiltration

8.7 Run-off or Surface Run-off :->

Runoff is ~~for~~ precipitation that did not get absorbed into the soil, or did not evaporate.

Niney-nine percent of failures come from people who have the habit of making excuses.

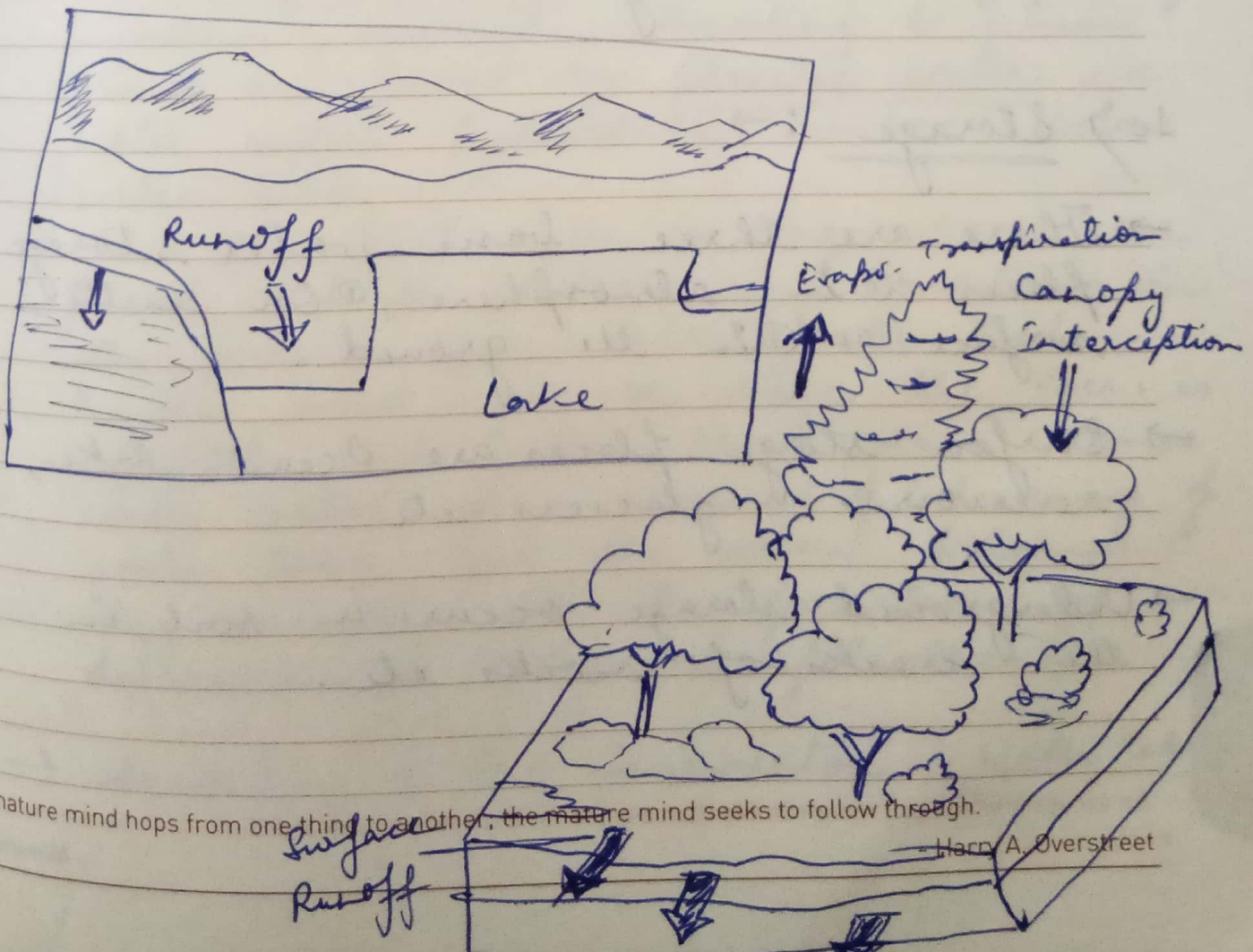
- George W. Carver

2017						
MON	TUE	WED	THU	FRI	SAT	SUN
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
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→ It causes erosion, and also carry chemicals and substances on the ground surface.

→ It is that portion of precipitation which makes its way toward stream, channels lakes or oceans as surface or subsurface flow.

→ It will occur only when the rate of precipitation exceeds the rate at which water may infiltrate into the soil.



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WEDNESDAY

Wk 22 DAY 151-214

MAY						
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20	15	16	17	18	19	20
21	22	23	24	25	26	27
22	29	30	31			

9.7 Groundwater Discharge :->

- Groundwater is water that is held in cracks and pore spaces below ground.
- This water can be tapped by water supply wells or continue below the ground until it eventually returns to the surface.
- The process by which groundwater exits the ground is known as ground-water discharge.

10.7 Storage :->

- There are three basic water storage places: ① In atmosphere, ② On earth's surface and ③ In the ground.
- Surface storage places are ocean, lake, reservoirs, glaciers etc.
- Underground storage occurs in soil, in the cracks of rocks etc.