

CPSCCT

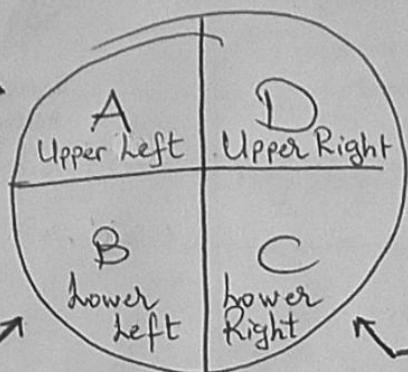
cheat sheet

- ⇒ Learning = Neuron connection.
- ⇒ Brain = Million of neurons
- ⇒ Get rid of brain dominance ⇒ More efficiency.

= The Brain =

Right ← 2 hemispheres. → Left.

factual/analyse
logic/Critical



Visual/holistic
creative.

Organized/planned
detailed

Emotion/People
oriented.

⇒ HBDI: Hermann's brain dominance instrument.
it describe thinking preferences.

⇒ (Effectiveness)
(Competency) = Motivation + Training + Practise.

⇒ A problem: anything that could be made different/better.
it has: a difficulty or/and an opportunity.

⇒ Diversity = Different mind-set.

⇒ Creative problem solving = (Analytical + Critical + Creative) thinking.

⇒ Creative thinking = generate new ideas.

⇒ Creative problem solving = divergent thinking → Convergent thinking

Divergent. th.

method to generate creative ideas

- * free flowing / non linear.
- * New ideas
- * Generate as much as possible

Convergent. th.

method by applying (rules + logic).

- * Solve a problem within a context.
- * use information, data, facts.
- * logical only.

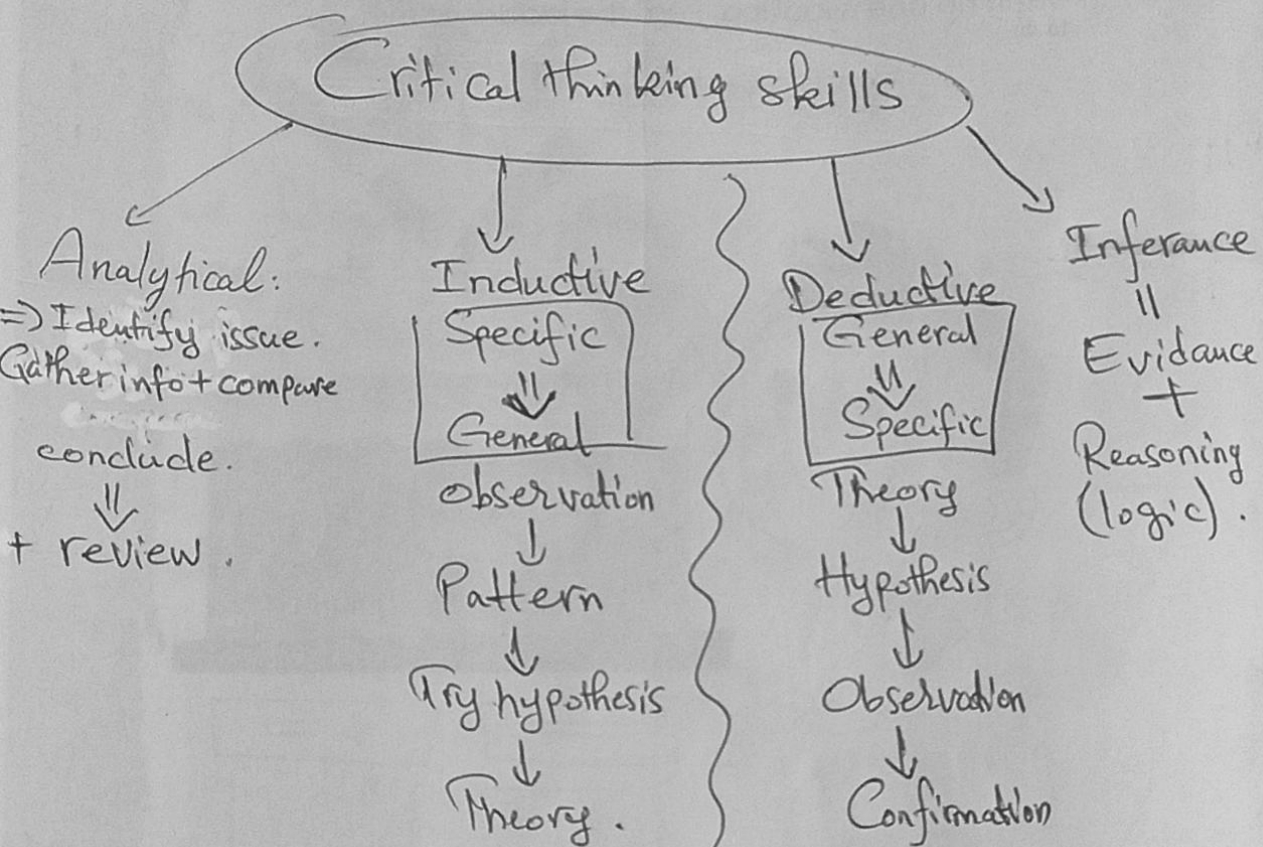
⇒ Creative Process = In the whole brain.

↳ Interest ^① → preparation ^② → incubation ^③ → illumination ^④ → Verification ^⑤ → application ^⑥.

① → L+R ② → L ③ → R.

④ → R ⑤ → L ⑥ → L+R.

⇒ Critical thinking: evaluate information + make decision.
it happens in L.



Evaluation:

Evaluate (critically) = reach conclusion = value of argument
to make a decision //

⇒ Improve Critical thinking: ask: why + how?.

⇒ Brain storming: State the problem → Generate
Max (Solutions): any solution is acceptable →
evaluate → Choose best answer / Solution.

Critical thinking Barriers

Egocentric thinking / Group thinking / Prone Mentality /
Social conditioning / Bias / Pressure / Arrogance /
Emotions instead of logic / Fear of failure and
Change / Popularity.

⇒ Cure false assumptions by

- Getting facts
- Practicing D thinking.
- Implimenting Creativity in

⇒ To overcome emotions and feelings when they
are blocking ⇒ Improve "C" thinking.