Lecture # 12

* CHAPTER: COGNITION & LANGUAGE

and understanding through thoughts, experiences and Serses.

example: thinking, decision-making, problem solving, judging

- → agnitive Bychology: branch which focusses on higher mental process including thinking, decision-making and problem-solving etc.
- > Thinking: the ability to process information, k store and retrieve memories hold attention and select appropriate pro actions.
- Montal image: the representations of in the mind of an object or an event

example: day dreaming

Janguage: the mode of communication of information through symbols
assembled by arranged according to systematic rules

grammatical rules

Janguage's language.

Scrammar: the overteen of rules that determine that thoughts

grammatical rules

is Grammar: the system of rules that determine our ithoughts and actions

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3) SYN	TAX: OH	er ways i	n which	words c	and phras	es can	be
		combined	to form	sentence	s		
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	example:	subject, of	ject plac	ement			
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9 9	CONCEPT: mental grouping of similar events, objects or people
	-> REASONING: A purposeful mental activity that involves operating on information to reach the conclusion
•	+ i) Inductive reasoning - progression from specific to general
-	[2] 이렇게 하게 되었다면서 되었다면서 살아가다면서 되었다. 그는 그는 이렇게 되었다면 그는 그를 하는 것이다.
-3	general to specific
-	e.g., $A=B=C \rightarrow so A=C$
	achieve
3	- PROPLEM-SOLVING: active effort people make too reach a goal that cannot be easily achieved.
7	=) Different steps of PROBLEM-SOLVING:
4	1. Ad 1:0 inc. a suchland
-	4) Sour Dolor in the course of a problem
4	Devising and cause of a protection
-	4 Selecting alternatives for a solution (most appropriate one)
	4 Executing the strategy
7	4 Evaluating the progress
7	=> Different types of Problem-solving.
7	
7	1) INDUCING STRUCTURE: e.g., Series completion and analogy problems
-	involves identifying the relationships among the elements
-	of a problem
-	- main objective is to understand the underlying pattern
1	- 4,

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intultion judgement emotions ¥ 19-03-2024 Tuesday Lecture # 13 * STRATEGIES OF PROBLEM SOLVING: a) Algorithms: - step by step procedure followed to produce a solution e.g., m tying your shoes brushing your teeth b) Heuristic: - rule of thumb - mental shortcuts that allow people to solve e.g., choosing between 2 different brands when gracery taking an umbrella or jacket if the eweather's cloudy Decision Making the most appropriate one 4 cognitive / mental process used to choose between an two or mor more alternatives (by reasoning) i) Rational Decision Making: 4 all available alternatives are taken into account and the most appropriate one is chosen through reasoning ii) Irrational Decision Molking: 4 decisions made through intuitions, judgement and emotions

* CREATIVE THINKING:
4 thinking out of the box
4 brings innovativity, creativity
mental process involved to find a possible, different solution to a problem
/Steps
=> Stages of Greative Thinking
i) Preparation: - 4 under identify, understand and analyse the problem
involves brainsforming, reasoning
ii) Incubation:- 4 taking a break from actively thinking about the problem 4 the subconscious mind continues to work on the problem
y work.
iii) <u>Illumination</u> :- 4 sudden emergence of executive step a solution
iv) Verification:- > Assessing, evaluating, refining and testing the creative solution
INTELLIGENCE
1~~~~
s the ability to understand the world, think rationally and use
reasoning effectively when faced with challenges.
어림을 받아 다른데 10명 H. U. 의료 1명에 11일은 기반을 가장되었다. [20] 아이트 아이트 아이트를 받아 다른데 보다 보는데 보다 다른데 보다 다른데 보다 다른데 나를 보다 하는데 다른데 다른데 보다 다른데 되었다.
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=> Intelligence Quotient = Mental Age x 100
Chronological Age,
→ Biotogical age
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