

Thinking

Definition : is a problem solving behavior.

Symbols and concepts

Symbols

We organize our environment by using symbols rather than a cutal objects .it may be words ,images ,gestures

Types :

1. Conventional –shared by a large .no, of people as traffic sign or mathematic
2. Personal – Can't shared by other people .

Concepts

It is organizing the information which he acquired into pattern.

Divided

Prototype :

Core :

Bachelor : man ,30 years ,live alone a has social life

Core : Adult who is un married .

Thinking out of Acting out

Thinking out : mental part of process involve in the mechanism.

Acting out : trial and error activity occur during thinking out .

Kohler 1956 : his experiment on chimpanzee ,found these animals cease their activity for awhile , a then approach the problem in anew manner_

Abstract and concret thinking

Abstract thinking _which goes beyond the actual stimuli _which are present in any situation .

Concrete : it is limited and bound to actual stimuli

Goldstein Scherer test

Give to a person 30 different articles in everyday use , and use it into categories , and explain the reason for that is for their shape , colors, material. In normal person can classify the object in a no. of different way and can change the classification into different way .

In concrete thinking: can't able to group the objects into categories

Trial and error by Thorndike.

Use cats in his experiments ,was to get out of cage , which could be opened , from inside , by depressing a lever or pulling a loop.

Hungary cat placed inside the cage and food outside , initially the cat clawed and scratched in a random way ,until sooner or later it operated the lever which opened the door that it was able to feed.

Bodily process in thinking

EGG Alpha rhythm 8-13 cycle/sec . appear in normal person if subject close his eye . If one open his eye alpha rhythm is disappeared . If one close his eye and think ,EEG is not recorded also,

So we think out with our whole bodies .

Unconscious thinking

We can solve the problem by put it out our mind. In dream Kiekie is solve the problem of bond of benzene as a ring when dream of snake catch its down tail .