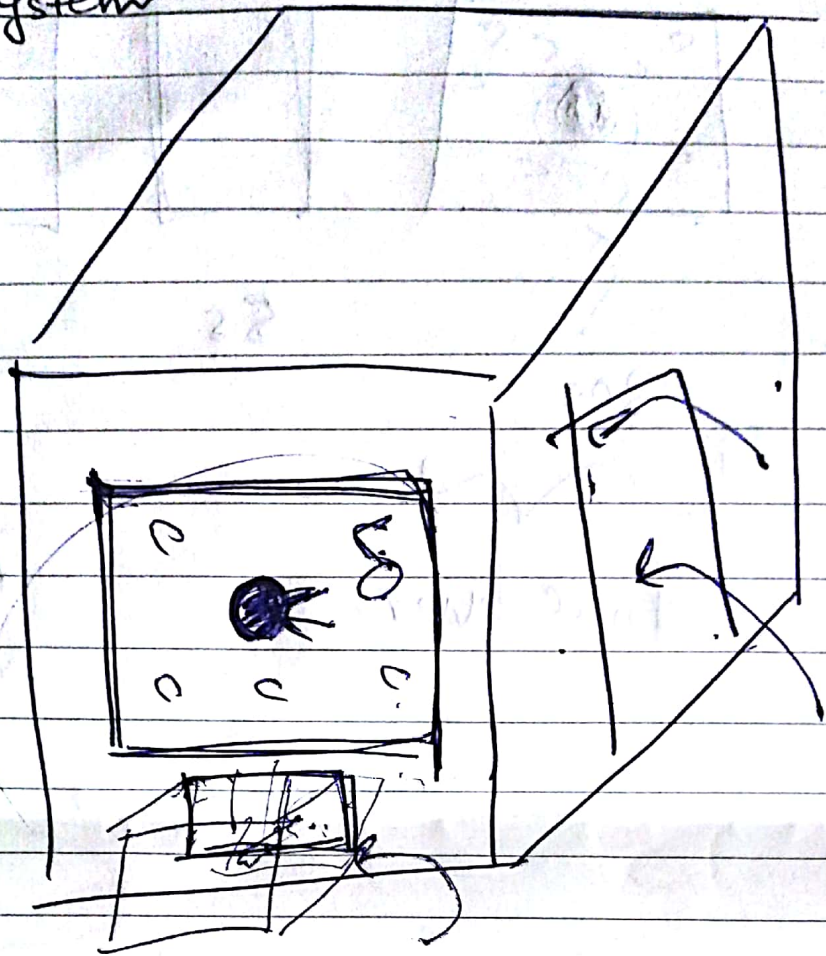
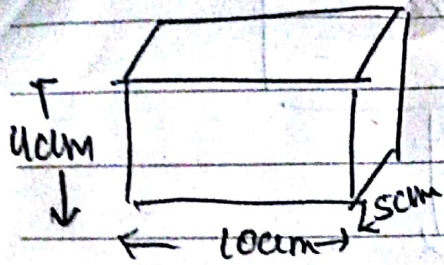


Food delivery system dimension

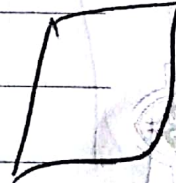
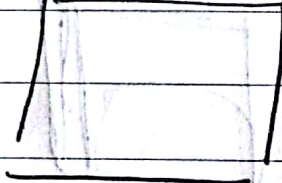
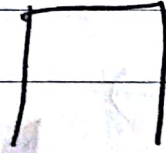
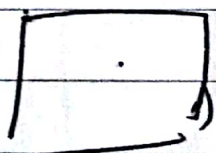


Pre training phase

a tone } 20 trial

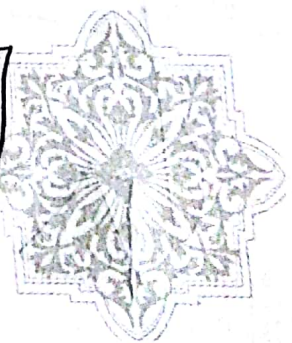
trial 1

trial 2

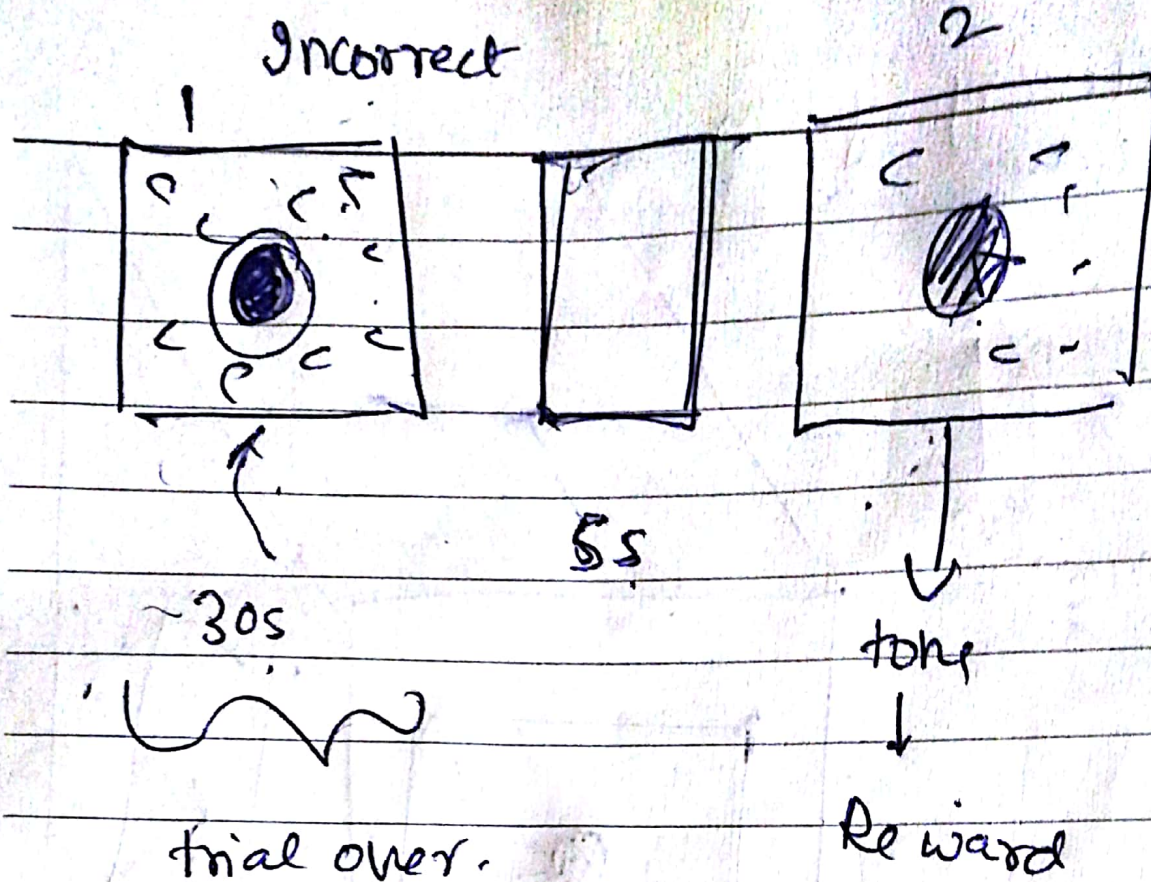


30s

white
scr

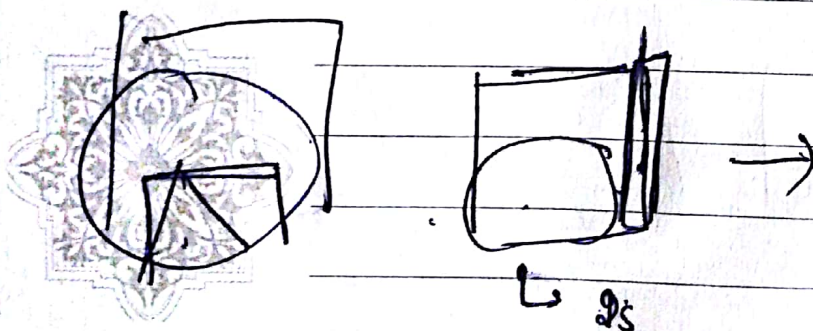


Paperkraft



$n = 20$ times only

Food delivery system



Training phase

Shape

Sound

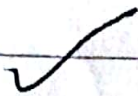
1)



—

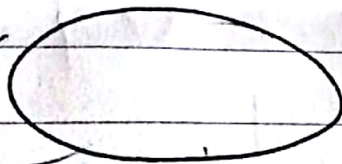
A

—



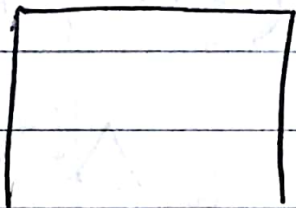
—

B



—

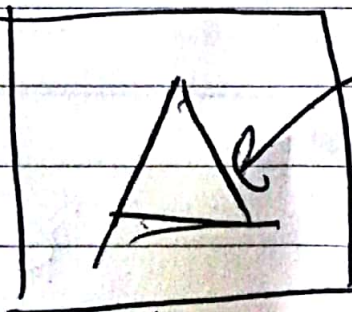
C



—

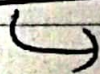
D

6



A

— correct trial



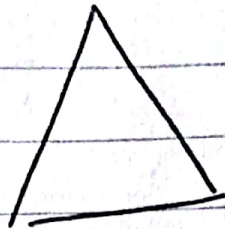
Peck

—

Reward

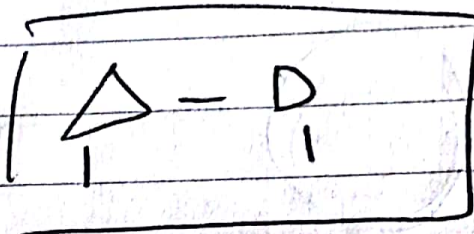
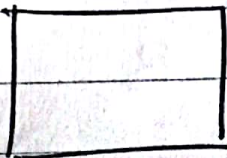
Paperkraft

Incorrect trial.



—

D



↓
Peck shape

⊗ — Reward

⊗ — A

Rewarded

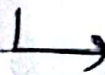
Δ — B

Δ — c

Non rewarded



B, C, D

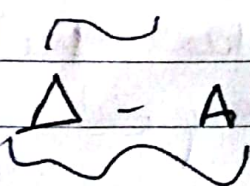


Black

Aversive
Stimuli

light out

15s



Correct ^{20s}
response $\Delta - B$

Incorrect

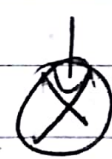
$\Delta - B, C, D$

↓
Peck

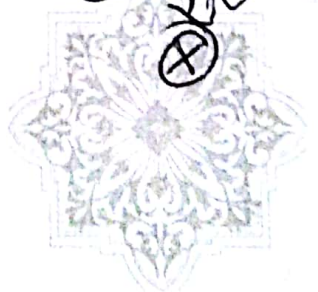
Not Peck

↓
Peck

↓
get there wood



↓
light out



Paperkraft

$$\frac{n - 20}{2}$$

50%

correct

- 10

50% Incorrect - 10

A

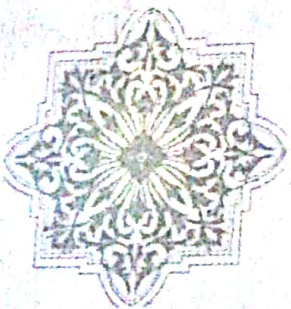
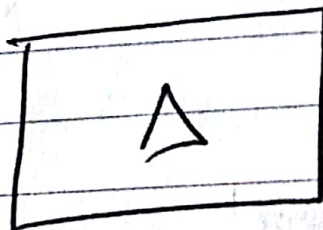
B

C

D

Visual - Auditory - all the 4
shape

20 -



Part II Training

L9

20

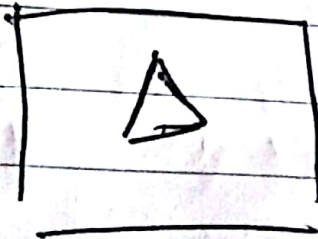
4 shape
sound
pair

~~5~~

correct

Incorrect

$\Delta \rightarrow e$



1 block

20

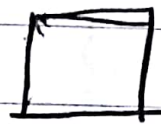
Sound-shape
pair

~~5~~

5

5

5

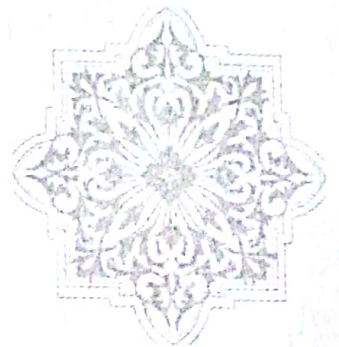


or

sound



$\Delta \Delta \Delta \Delta \Delta$



3 correct

2 incorrect

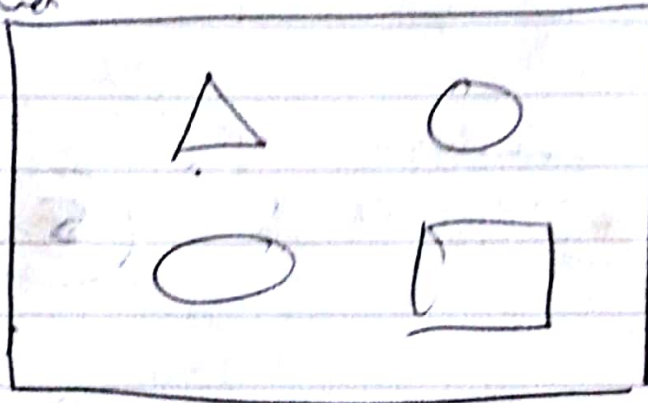
Paperkraft

Test Phase

$n = 5, 10$

Play around

A, B,
C, D



Peck the correct shape



Reward

Pecking on incorrect ~~to~~ shape



No reward



Next trial