

Preliminaries:- • Name of the subjects:- 1. Ananya Purkaystha
2. Poulomi Sil
3. Nainmoyee Saha
4. Aishwariya Roy
5. Debobani Saha

- Age of the subjects:- 21 years
- Condition of the subjects:- Apparently ready for the experiment
- Sex of the subjects:- Female
- Qualification of the subjects:- Undergraduate 3rd year
- Time of the experiment:- 12:00 - 1:00 P.M
- Date of the experiment:- 20.08.14

Materials Required:-

- 1> Few sheets or paper
- 2> 5 lists of anagrams each list containing 10 anagrams.
- 3> Pen/Pencil
- 4> Screen
- 5> stop watch

DATE

EXPT. NO.

Planning of the experiment :-

Experiment 1: ~~passi~~ passive group situation Experiment 2: Co-operative group situation. Experiment 3: Competitive group situation

Independent Variable (IV) → Level 1 Control Condition

Stimulus — group situations

Isolation situation

Rest for 5 minutes

Level 2: Exp. condition 1

Passive group situation

Rest for 5 minutes

Level 3: Exp. Condition 2

Cooperative group situation

Rest for 5 minutes

Level 4: Exp. Condition 3

Competitive group situation

Experimental Condition 1
Experimental Condition 2
Experimental Condition 3

Respected feeling were induced by appropriate instruction.

Organismic ——— Single group experiment
(group comprising of five subjects)

Response —	Dependent variable (DV) Problem solving (Anagram Solving)	DV measured in terms of a) Accuracy (Percentage of correct responses) b) Speed (Time taken to solve the anagram)
------------	---	--

Extraneous Variable Controlled :-

<u>Subject Relevant</u> Age, gender, Educational background	→	<u>Stimulus Relevant</u> The number of anagrams, meanings of the words, colour, size and intensity of anagrams were held constant.
--	---	---

DATE _____
PAGE NO. _____
T. NO. _____
Instructions:- (For matching and isolation) -

"I will provide you a card having a set of meaningless combination of letters you have to rearrange the letters mentally so that they make meaningful one. Try to do as quickly as you can. Start with the 'start' signal, stop immediately when you told to do so."

Passive group - "This is a group situation. you will be provided with a set of meaningless combination of letters, you have to rearrange to make meaningful one. Try to do quickly. Respond me by raising your hand if you finish before the 'stop' signal."

Co-operative group - "In this situation you will be provided with another set of meaningless letters. You have to rearrange to make them meaningful one. You may co-operate with each others while rearranging the letters. However, try to solve them individually and as quickly as possible. Stop me by raising hand if you have finished before the stop signal."

Competitive group - "This is a group situation, where each of you will compete with others with the individual.

Set of meaningless words. I will see who take the less amount of time to solve correctly. Report me by raising hand if you finish before the 'stop' signal."

17

Collection of data: After instructing the subjects properly and taking necessary precautions, data for matching were collected and on the basis of five subjects, matched in their ability of the solving anagrams were selected for final data collection which was collected in 4 sets according to the procedure explained below -

Step 1: Data for control condition were collected. Each subject was made to perform alone. A list of 10 anagrams were provided to the subject. The subjects were asked to turn and see the list of anagrams only after the 'start' signal given. After 5 minutes, 'stop' signal was given. Each subject was given rest for 5 minutes and the time of competition was noted as soon as they each finished. Also the percentage of correct response was recorded.

Step 2: Data for passive group situation were collected. The subjects were made to sit together and solve the anagrams, on their own. Time taken and percentage of correct responses were recorded.

Step 3: 5 minutes of rest was provided and instructions were given to create a situation of co-operation in which subjects were allowed to help each other in solving the problem if needed. Percentage of correct response and time taken were recorded.

Step 4:- Again 5 minutes of rest was provided and instructions were given to create a competitive situation. Percentage

of correct response and time was calculated. Result was tabulated and calculated properly.