

## **Comparative Study of Intelligence Level among Individual and Team Game Female Players of N.M. College**

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### **Abstract**

The purpose of the study was to compare the Intelligence level among individual and team games/sports of N.M.College female players, for this study 80 female students were randomly selected age ranging between 17-25 and were divided into two groups of Individual games and team games as per there prior participation. The criterion measures chosen to test the hypothesis were Group Test of Intelligence by Dr. S. Jalota. The significance of mean to compare the Intelligence level among individual and team games player wasat 0.05 level of significance. The result of the study has indicated that the difference of intelligence between the team and individual games was significant as calculated t value (2.35) is greater than the tabulate t value (1.98). It is also found intelligence level among individual players was more than the team games players.

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### **INTRODUCTION**

The study of human behavior and intelligence in context to age and sports raised many an eyebrow for, most people think that physical activity has nothing to do with the thinking process in man. This notion is wrong because research of human psychology has opened that cognitive, affective and motor process are so interlinked that talking about one is incomplete without talking about the another. The term “intelligence” comes from a Latin word coined by “Cicero” to cover all cognitive processes. It was assumed that this capacity of cognition was something inherent in human nature. It was recognized that ever man was born with a general cognitive capacity which was conveniently termed as intelligence. For many people, the word “intelligence” refers to an individual’s ability to perform cognitive, whereas, some psychologist argue that intelligence refers to an amalgamation of a number of restively separate ability. The concept of intelligence has been closely tied to intelligence test. Sporting intelligence includes the knowledge of the sports, knowledge of where and when important cues are likely to occur, the ability to search for and detect the task-relevant cues, identification of cue pattern, short term memory recall and decision-making ability. Performance of individual and team game / sports athlete up to a great extent influenced by so many psychologist elements such as personality, self-awareness, confidence, attitude, intelligence, motivation, anxiety etc.

After going through so many psychological aspects affecting the performance of players, the scholar wants to know whether the level of intelligence differs among various games and sports they may individual or teak games / sports.

### **OBJECTIVE OF THE STUDY**

The objective of the study was to compare the intelligence level among individual and team game female players.

### **DELIMITATIONS**

- The study was confined to the female players of N.M.College.
- The study was delimited to the female students age ranges in-between 17-25 years.
- The study was delimited by administering Group Test of Intelligence by Dr. S. Jalota
- The study further delimited to following selected individual and team games and sports:
  - Individual Sports:
    - i- Swimming
    - ii- Track and field
    - iii- Squash
    - iv- Badminton
  - Team Sports
    - i- Basketball
    - ii- Throw ball
    - iii- Volleyball
    - iv- Football

### **LIMITATIONS**

- No scientific tool or method available for measuring intelligence level among players except questionnaire method.
- No special motivation technique was used during the test. Therefore the difference might have occurred in performance due to lack of motivation was recognizing as the limitation of the study.
- The heredity and environment factors which very considerable were identified as limitation.

### **HYPOTHESIS**

H1 It was hypothesized by the investigator that there will be significant difference in intelligence level of players of N.M.College of individual game and team games.

### **METHODOLOGY & RESEARCH DESIGN**

For the defined study 80 female players were randomly selected as subjects for the study. Individual sports and team games as per there prior participation in respective sports, age ranging between 17-25. Random group design was used for this study. The criterion measures chosen to test the hypothesis were the Group Test of Intelligence Questionnaire by Dr. S. Jalota was distributed to the selected subjects. The questionnaire also measures the self-confidence, decisiveness and critical thinking. The answer sheet was scored with the help of a scoring key provided for this purpose. The statistical procedure applied was Independent sample 'student' T-test analyses. The significance of

mean to compare the Intelligence level among individual and team games player was at 0.05 level of significance.

## RESULTS & FINDINGS

Collected data on players of individual and team games was analyzed with the help of descriptive analysis and Independent Sample 'Student; T-test.

**TABLE 1 – DESCRIPTIVE AND COMPARATIVE ANALYSIS OF INTELLIGENCE OF FEMALE PLAYERS OF TEAM AND INDIVIDUAL GAMES**

Sports	Mean	Standard Deviation	Mean Difference	Standard Error	t-ratio
Individual	38.35	12.65	5.82	2.47	2.35*
Team	32.52	9.20			

\*Significant at 0.05 level of significance (N-2)  $t_{78} = 1.98$

The statistical analysis indicates the descriptive analysis of intelligence level among individual and team games players. Mean of intelligence of individual and team games players is 38.35 and 32.52 respectively. Same as with standard deviation among individual and team games players is 12.65 and 9.20 respectively. The study also indicates that there is significant difference found among individual and team game players intelligent as calculated 't' value 2.35 is greater than the tabulated 't' value 1.98 (0.05). It also shows, that intelligence level among individual players was more than the team game players. Hence the hypothesis is accepted

## CONCLUSION

It is found that there was significant difference between individual and team game players; this may be due to many factors that influence the performance level of players. The players of individual game have more self- confidence and also have good amount of decisiveness because they are totally depend upon themselves for their performance while in team games the performance and result depends upon each and every member of the team and that is why the level of self-confidence, decision making process and critical thinking is comparative less than in the female players of team game than the individual game.

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