A Study Of Effect of Selected Yogasana on Selected Hralth Related to Physical Fitness on Athlatic Players

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Introduction:

Sports and games are integral part of the in the

part of life.Yogic exercises are beneficial to the sportsman.Athelatics games are very better for one's physical wellness.

Thousands of years ago yoga originated in India, and in present day and age ,an alarming aearness was obsered in health and natural remedies among people by yoga –yogasana wich has been preven an effective method for improving health in addition to prevention and magement of diseases. Wich increasing scientific research in yoga. As well as in the field of sports physical fitness is most improtant. How to develop the health related fitness and how to develop the skill in every sports as wel as to maintain the fitness is also a big question. In this research , researcher may give attention to Athelatic players and their physical fitness through yogasana.

Exercise is necessary in order to develop the growth of the body consistently. Physical activities take place through the channel of sports and so the physical exercises does occur. Several sports have been practiced and hence they are in vogue since ancient times. The function of physical all round and sound exercise and recreation is achieved through the medium of sports.

Physical education and sports have an important place in India since ancient times because of several reasons. Sports of many kinds are being played in our country since a long time. Several kinds of exercises have been in vogue even today. Some sports are played in the festivals, some are played for the growth of our body. Where as some are played for the purpose of entertainment. Later on the western sports have been spread and propagandized on a large scale in the British regime. Some VyayamShalas, Gymnastic Schools, Arneas and sport clubs seem to have maintained the continuity and importance of our Indian games and yoga exercises. Still indigenous (Native) sports have not got the excepted popularity. Some have tried best for achieving the same but in vain ! But it seems that no excepted success is got out of it. Therefore it is essential to prove the utility of indigenous games, their characteristics and importance.

Only for this target researches in India decided to study the yoga being the traditional exercise in India. The researcher in the aforesaid research studied the effects of after training this game related to the players' physique and what results it shows on their physical ability. For this objective boys coming from Athletics players.

Objectives of the study:

- 1. To prepare the training programme of selected yogansana for Athletics players.
- To find out the effects of selected yogansana [Bhujangasan, Parvatasan, Vakrasan, Paddamasan, Sadhasan ,Halasan, Dhanerasan, Pashimotanasan, Sarvangasan]on Physical fitness of the Athletics players i.e. 14 to 16 years age group students.

Scope and limitations

This study has large scope to conduct similar research programme for other Indian cities.

The limitations of the study were as follows :

- 1. The researcher could not collect more data for more accurate results.
- 2. The researcher cannot impose restrictions on the diet of the subjects selected for the research.

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routine of the selected students for this research.

Delimitations of Research

- The study is delimited only for Athletics i. players ..
- ii. The study is delimited only for 9th standard students (Boys Only)
- The study is delimited only for the boys iii. belonging to age group of 14 to 16 years ie. Adolescents.
- The study is delimited only for the age group iv. 14 to 16 years selected students' physical fitness factors.

Hypothesis:

- 1) Ho.1 :There is no significant effect of after trainingSelected yogasana Cardio on respiratory endurance the subjects.
- 2) Ho.2 :There is no significant effect of after trainingSelected yogasana on strength and endurance of Abdominal muscles of the subjects.
- 3) Ho.3 :There is no significant effect of after trainingSelected yogasana on Body Fat of Triceps, Subscapular, Thigh and calf muscles of the subjects.
- 4) Ho.4 :There is no significant effect of after trainingSelected yogasana on flexibility of the subjects.

Significance of the study

Following are the significant points of the present study.

- Training and its veried method in this game are planned in order to develop different efficiencies hidden in physical education and games. But this seems to be limited in a particular class. It is not seen in the case of mass and it has many reasons. Everyone must be healthy, physically fit and all must study physical education. We often say this statement, but practically it is not possible for this substantial reason. Researcher has studied the effects of students' health related physical fitness.
- It is an inexpensive Yoga.

- S expressed through this research.
- This study has observed the effects of after training Selected yogasana on student's health related physical fitness. This study helps to develop healthy body of student's and players.
- This research work also helps the teachers of physical education and sports directors. In building up health related physical fitness development of all.
- This research work assists to increase the standard of games
- This study increases the inexpensive health related fitness. It helps all to achieve the goal : physical education for all and in this context all are benefited.
- As no research is done so far on this subjects, the field of games and sports will certainly get valuable help.

Method of the Study

The experimental method was followed for this research work. The study was designed i.e. True experimental design and pre-test and post-test. Equivalent group design were applied.

Population sample

For the present research the total strength of the students includes the students (Boys) of 9th Standard belonging to the age group of 14 to 16 years i.eAdolescents.Near about 300 students learning in were taken into consideration for their selection.

Experimental and control group.

Simple random sampling method pertaining at Lottery system into the two groups of 30-30 will be divided as samples out of 60 students having equal ability.

Later on by way of Lottery system group number 1 was selected as experimental group and group number 2 was selected as control group.

Thus two groups were selected out of total strength of population from the sample.

Method of working was fixed as shown below in the present research.

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Subject	Pre- test	→	Equal Group →	Experimental Group	→ Post- Test	
Sample			Equal Group →	Control Group		

Planing of duration for treatment and test taken at the time of actual training:

The researcher had given the game Selected yogasana [Bhujangasan, Parvatasan, Vakrasan, Paddamasan, Sadhasan ,Halasan, Dhanerasan, Pashimotanasan, Sarvangasan] as the treatment of actual training of the experimental group where as only movements of warming up were given to the controlled group. But practically Selectedyogasana was not given the treatment but it had a duration of 45days. 45 days were divided into three parts each. Consisting of 45 days and after a gap of 45 days each post-test was taken. The planing of duration of this treatment was as follows.

	Treatment (Training)		Time Duration		Treated/Trained Group
1	Warming up	→	10 to 15 Minutes	→	Experimental Group and Control Group
2	Conditioning movements	→	10 to 15 Minutes	→	Experimental Group
3	Selected yogasanaas a treatment	→	25 to 30 Minutes	→	Experimental Group
4	Relaxation Exercises	→	10 to 15 Minutes	→	Experimental Group

The above arrangement of the term for the experimental group was given in a weak for six days (Excluding Sunday). One session of 55 to 75 Minutes i.e 6.30 am to 8.30 am was given, where as the controlled group was given only warming up and sent home. The treatment of actual training was given for 45 days in three stages of 45 days for the main study.

Tools of Research :

It is essential to accumulate all kinds of procedures in the research work with its data, sources and equipments. It is equally necessary to collect veried kinds of information's for studying the problems, drawing final conclusions and for finding the solutions to the problem of research. The technique of scrutiny test and assessment will be used for this research work. The required information about the tests for its implementation and training of the 'Selected yogasana' is as follows :

Tests : Test certified by the experts of health related fitness and selected motor fitness was used.

Health related fitness tests :

- a. Cardio respiratory endurance 600 Yard Run / walk test
- b. Muscular Strength Sit-Ups (Bent Knee)
- c. Body Fat Skin Fold Score Test
- d. Flexibility Sit and Reach Test

Statistical Tools

The statistical principals were used for the scientific explanation of collected information and while giving up the main concepts or accepting it or presenting its conclusions, statistics is used.

The following statistical principals were used for drawing out conclusions which are obtained by the figures through the preliminary and the later tests on this present research work full of experimental and administrative conditions are as follows :

- 1. Mean
- 2. Standard Deviation
- 3. ANOVA computer package.

Hypothesis And Discussions

1. 600 Yard Run/Walk Test :

- i. There was significant effect of after trainingSelectedyogasana and it was observed at level 1 Vs. level 2. This indicates that after trainingSelected yogasana can improve Cardio Respiratory Endurance of the subjects.
- ii. Therefore the researcher rejects the Null Hypothesis Ho.1 : 'There is no significant effect of after trainingSelected yogasana on endurance of the subjects'.

2. Sit-Ups (Bent Knee) Test :

- There was significant effect of after trainingSelectedyogasana and it was observed at level 1 Vs. level 2. This indicates that after trainingSelected yogasana can improve Muscular Strength of the subjects.
- Therefore the researcher rejects the Null Hypothesis Ho.2 : 'There is no significant effect of after trainingSelected yogasana on Muscular Strength of the subjects'.

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3. Sit and Reach Test :

- There was significant effect of after trainingSelectedyogasana and it was observed at level 1 Vs. level 2. This indicates that after trainingSelected yogasana can improve Flexibility of the subjects.
- Therefore the researcher rejects the Null Hypothesis Ho.3 : 'There is no significant effect of after trainingSelected yogasana on Flexibility of the subjects'.

4.Body Fat : Triceps Skin fold Score Test :

- There was significant effect of after trainingSelectedyogasana and it was observed at level 1 Vs. level 2. This indicates that after trainingSelected yogasana can improve Reducing Body Fat Of Triceps Muscles of the subjects.
- Therefore the researcher rejects the Null Hypothesis Ho.4 : 'There is no significant effect of after trainingSelected yogasana on Body Fat; Triceps Muscles of the subjects'.

5.Body Fat : Subscapular Skin fold Score Test :

- There was significant effect of after trainingSelectedyogasana and it was observed at level 1 Vs. level 2. This indicates that after trainingSelected yogasana can improve Reducing Body Fat Of Subscapular Muscles of the subjects.
- Therefore the researcher rejects the Null Hypothesis Ho.5 : 'There is no significant effect of after trainingSelected yogasana on Body Fat; Subscapular Muscles of the subjects'.

6. Body Fat : Calf Skin fold Score Test :

- There was significant effect of after trainingSelectedyogasana and it was observed at level 1 Vs. level 2. This indicates that after trainingSelected yogasana can improve Reducing Body Fat Of Calf Muscles of the subjects.
- Therefore the researcher rejects the Null Hypothesis Ho.6 : 'There is no significant effect of after trainingSelected yogasana on Body Fat; Calf Muscles of the subjects'.

7. Body Fat : Thigh Skin fold Score Test :

• There was significant effect of after trainingSelectedyogasana and it was observed

at level 1 Vs. level 2. This indicates that after trainingSelected yogasana can improve Reducing Body Fat Of Thigh Muscles of the subjects.

• Therefore the researcher rejects the Null Hypothesis Ho.7 : 'There is no significant effect of after trainingSelected yogasana on Body Fat; Thigh Muscles of the subjects'.

Level wise Comparison and Discussion

1. 600 Yard Run/Walk Test :

- For level wise comparison between Level-1
- Vs. Level-2 there was significant difference between experimental and control group. There was improvement of 0.421 sec. In experimental grousp and that in control group it was 0.119 sec. This implies after trainingSelectedyogasana improve the performance during first 45 days.

2. Sit-Ups (Bent Knee) Test :

• For level wise comparison between Level-1 Vs. Level-2 there was significant difference between experimental and control group. There was improvement of 8 Sit-Ups in experimental group and that in control group it was 0.2 Sit-Ups. This implies after trainingSelectedyogasana improve the performance during first 45 days.

3. Sit and Reach Test :

- For level wise comparison between Level-1
- Vs. Level-2 there was significant difference between experimental and control group. There was improvement of 5.466 cms. in experimental group and that in control group it was 0.5 cms. This implies after training Selectedyogasana improve the performance during first 45 days.

4. Body Fat - Skin Fold Score Tests :

a. Triceps Skin Fold Score Test

i. For level wise comparison between Level-1 Vs. Level-2 there was significant difference between experimental and control group. There was improvement of reducing body fat of triceps muscle of 0.27 mm. in experimental group and that in control group it was 0.04 mm. This implies after training Selectedyogasana improve the performance during first 45 days.

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