Preface

Limit of human performance and physical work capacity in the field of sports and games needs to be continuously explored by the sports scientists along with the advancement as well as application of science and technology in this field. Previously it was unbelievable to the sports experts that athletes would be able to run 100m. below ten seconds, complete a mile below four minutes or cross the high jump bar above seven feet. But today's athletes have done it and made yesterday's dream a reality. Day is possibly not far off when athlete's wondrous performance will raise our eyebrows even further.

Sports scientists over the globe have been seriously doing research and experiments to investigate and identify those factors which are contributing to create new records and again break them with progress of time.

This study is a sincere attempt made to relate some selective Physical, Physiological, Anthropometric and Psychological variables with performance in basketball. Literatures have established the fact that depending upon its nature performance in any sports event is directly related with these factors. What is important to a researcher is to locate and identify the variables which are very specific to higher performance of a particular sports activity.

The author has chosen the game of basketball for his present study because very little work has been done in this field in our country and moreover this game is increasingly attracting more and more athletes in Schools, Colleges and Universities. The author has made a survey in different institutions of the state and found that the number of participants in basketball game in these
institution is gradually increasing. While conducting this study the author had in his mind that the results of the study would benefit the physical educators, physical trainers, coaches, selectors and future researchers in their respective work fields.

Although a scholarly interest in the study of sports is fast developing as a new direction in the discipline of physical education, the researchers in this field, due to some practical problems, do not as yet feel as comfortable as the researchers of other fields. In our country the researchers in sports studies do not have easy access to the facilities of sophisticated testing and measuring instruments and equipments and the author of the present study is not an exception. Inspite of his honest and sincere efforts he could not use sophisticated instruments in some measurements. However within the limitations, the investigator could arrive at some definite conclusions of the study only by his sincere efforts as well as timely help, advice and suggestions he received from the experienced research guides.

The investigator believes that these problems will not exist in the coming days and his firm conviction is that tomorrow’s researchers will explore all these sophisticated equipments and instruments in their investigative works and will contribute the field of physical education and sports with more and more accurate results which will immensely benefit the selectors, coaches and the athletes to improve sports performance. The author of this present study is eagerly looking forward to enrich and upgrade his knowledge with the findings of similar future research works. The author will be highly rewarded if the findings of his study motivate the future researchers and highlight the ideas of future investigation.

P.D.