ABSTRACT

Vocational education is, essentially, the demand of every society in every stage of its employment, because it is a means of helping man advancing in occupational areas. As technological advancements were made in the society, changes were made in Vocational education and its purpose. Its change is primarily concerned with echeloning man to afford the technology, that he needs to fulfill the exiting the existing demand of the society.

Vocational education is, almost national in it knows no political jurisdiction. Explicitly Business and industry work with in three own interests and without some co-ordinated planning we can not think to make our human resources more effective to reach the economic goal of the nation. But also to its social development. The transition between education and training to working life is a foundation period for all individual in acquiring necessary motivation and adaptability throughout life. To help the individual in the preparation of a new step of life becomes a new task for the welfare states. To solve this problem needs first of all getting a clear picture of the factors relating with it. After identifying and analyzing those factors only we can finally make a proper solutions. It is almost explicit that by vocational education the govt. should prepare students for the economic and social needs of the community expressed in terms of various occupations. The demand for job-oriented education pre-supposes that the main objective of education should be utilization. From utilization point of view technical education is one of the most significant components of human resources development for contributing to the national economy, and for improving quality of life of people. The present study in specific terms is therefore, “A Comparative study of Vocational Interest of senior secondary students of arts, science and commerce in relation to level of anxiety, self actualization needs, achievement Motivation and gender”
OBJECTIVES OF THE STUDY:

The study has been taken up with the following objectives.

1. To study Vocational interest among adolescents of various streams of studies (Arts, Commerce and Science.)

2. To study Vocational interest of male and female in relation to level of anxiety at senior secondary level.

3. To study Vocational interest among adolescents having high and low self-Actualization needs.

4. To study Vocational interest among adolescents having high and low achievement motivation.

5. To study Vocational interest among male and female adolescents.

HYPOTHESES:

The study has been taken with the following hypotheses.

1. There will be no significant difference in Vocational interest among adolescents of various streams of studies (Arts, commerce, Science).

2. There will be no significant difference in the Vocational interest among male and female having high and low level of anxiety.

3. There will be no significant difference of Vocational interest among adolescents having high and low self-actualization needs.

4. There will be no significant difference in Vocational interest among, adolescents having high and low achievement motivation.

5. There will be no significant difference in Vocational interest among male and female adolescents.

SAMPLE:

The Present study is conducted on a sample of 600 students of senior secondary schools of arts, commerce and science of western U.P.
TOOLS:

In the present investigation the investigator, employed the following standards tools and measures.

Vocational interest record inventory by Bansal and Srivastava (1975)

Anxiety test by Sinha and Sinha (1991)

Self actualization needs by Sharma (1964)

Achievement motivation scale by Rao. (1976)

STATISTICAL TECHNIQUES USED:

The statistical techniques used for the data analysis are mean, Standard deviation, ‘t’ test and 3x2 way of ANOVA. A brief description of the statistical techniques have been presented below.

A. Mean:

\[ M = \frac{\sum x}{n} \] [Garrett, H.E. & Woolworth, R.S. 1981, P.27]

B. Standard Deviation (S.D.):

\[ \sigma = \sqrt{\frac{\sum x^2}{N} - \frac{\sum x^2}{N}} \] [Garrett, H.E. & Woolworth, R.S., 1981, P.53]

C. ‘t’ Test: 

\[ t' = \frac{|M_1 - M_2|}{\sqrt{\frac{\sigma_1^2}{N_1} + \frac{\sigma_2^2}{N_2}}} \] [Guilford, J.P. 1950. P.157]

D. ANOVA in axb (3x2) Factorial Design:

Factorial ANOVA is the statistical technique that analyzes the independent and interactive effects of two or more than two independent variable with a dependent variable. [Kerlinger, F.N. 1983, P.P. 245-252].
CONCLUSIONS:

The result which are derived from the data collected for the present study given in chapter-III, statistically analyzed in chapter IV & V and discussed in chapter VI, the main conclusion are as follows:

The findings of the present investigation may be summarized as follows.

- On the measure of Vocational interest of senior secondary students of art commerce and science than we find that science vs. commerce and science vs. arts groups both group are significant at 0.05 levels of confidence. Both group are similar, but another side we find that art vs. commerce group is not significant. So the researcher found that both group which are, significant difference on the measure of commercial, House hold, literary areas and total vocational interest.

- There is difference between the arts group of high level of anxiety of male and the arts group of low level of anxiety of male found that the significant difference at 0.05 level of confidence. And also arts group of high level of anxiety female are significantly higher on the commercial and house hold areas and the total vocational interest than the lower level of anxiety of female with the measure of vocational interest.

- The commerce group of high level of anxiety male are significantly higher on total anxiety level than the commerce group of low level of anxiety of male. And the commerce group of high level of anxiety of female are significantly higher on the total vocational interest than the commerce group of low level of anxiety female both group are significant on the total of vocational interest.

- The science group of high level of anxiety of male scored higher than the low level of anxiety of science group of male on the measure of agriculture and the total vocational interest. But another side we found that the science group of high level of anxiety of female scored higher
that the low level of anxiety of science group on the measure of total vocational interest.

➢ When we take gender wise results than we found that the arts group of high level of anxiety of male and arts group of high anxiety of female on the measure of vocational interest both are not significant. And other hand we found that the arts group of low level of anxiety male higher scored compared to low level of anxiety female with the measure of vocational interest.

➢ When we compare to commerce group (male & female) are high level of anxiety with the measure of vocational interest than we found that both group are not significant but both group are significant on commercial and household areas.

➢ In commerce group male and female low level of anxiety with the measure of vocational interest than we found that the both group are significant on agriculture, Artistic, commercial, household social and total vocational interest.

➢ In the science group of male and female of high level of anxiety with the measure of vocational interest than we found that both group are similar. Both group are not significant but another side we found that science group of low level of anxiety of male and female are significant on the agriculture, commercial, household, and social.

➢ The effect, of high level of anxiety of male and low level of anxiety of male with the measure of vocational interest of the total sample of male is significant at 0.05 level. And that is significant on the agriculture, artistic and total vocational interest. But another side total sample of female of high level of anxiety and low level of anxiety with the measure of vocational interest than we found that it is significant on the total vocational interest.
The effect of high level of anxiety of female and low level of anxiety of female with the measure of vocational interest of the total sample of female is significant at 0.05 level.

When we compare to high self-actualization needs and low self-actualization needs of senior secondary school of male of arts group with the measure of vocational interest than we found that both group are significant on the measure of commercial at 0.05 level. And another side we found that high self-actualization needs female and low self-actualization needs of female of total vocational interest are significant at 0.05 level. So we can see table No.4.22 and 4.23. It shows that both group are significant.

In commerce group high self-actualization needs of male scored higher than the low self-actualization needs of male with the measure of total vocational interest. It is found that total vocational interest is significant to 0.05 levels. And in the case of female of commerce group, we found that high self-actualization needs of female scored higher than the low self-actualization needs of female with the measure of total vocational interest are significant on the agriculture, executive and total vocational interest at 0.05 level.

When we compare in science group than we found that high self-actualization needs of male and low self-actualization needs of male and high self-actualization needs of female and low self-actualization needs of female with the measure of vocational interest that both group are significant. We can see table No.4.26 and 4.27 female are highly self-actualized on the agriculture, scientific, social and total vocational interest. So the means that highly self-actualized adolescents are highly vocationally interested.

When we take gender wise results than we found that arts group of self-actualization needs of female are highly self-actualized as compares to arts group of highly self-actualized of male. But both group are
significant on same area like executive. And both group are not significant on total self actualization needs. And other side when we compare to arts group of low elf-actualization needs of male and arts group of low self-actualization needs of female with the measure of vocational interest then we found that both group are not significant.

In commerce group we found that high self-actualization needs of male and high self-actualization needs of female with the measure of vocational interest that is not significant on total self actualization but both group are significant on artistic, commercial and house hold and in the case of male and female of low self-actualization needs with the measure of vocational interest then we found that both group are not significant in all areas of vocational interest.

When we compare to science group of male of high self-actualization needs and female of high self-actualization needs than we found that it is not significant on total vocational interest. It is only significant on agriculture, and artistic, and other side low self-actualization needs of male and low self-actualization needs of female of science group then we found they are not significant.

When we compare to high self-actualization needs and low self-actualization needs of total sample of male with the measure of vocational interest then we found that male are significant on executive and total vocational interest and also female are significant on agriculture, artistic, and total vocational interest. So we can say that both group are significant at 0.05 level.

The arts group of high achievement motivation of male with the measure of vocational interest scored higher than low achievement motivation male. Because we found that both group are significant on the artistic, commercial and total vocational interest. And other side we found that arts group of high achievement motivation female with the measure of vocational interest scored higher than the low achievement motivation of
female. The female are significant on household and total vocational interest.

- When we take commerce group then we found that achievement motivation of male of commerce group is significant on social and total vocational interest. So we can see table 1.35 than we found that the female of commerce group are highly significant on artistic and total vocational interest. And other side in science group we found that achievement motivation of male are significant on only total vocational interest and also female of science stream are significant on total vocational interest.

- When we take gender wise results than we found that high achievement motivation of male and high achievement motivation of female of arts group both group are not significant and also on low achievement motivation of male and female of arts group are not significant. But they are significant on artistic, commercial, household and literary areas of Vocational interest

- In commerce group high achievement motivation of male and high achievement motivation of female with the measure of vocational interest then we found that male scored higher as compare to female. It means that the male are highly motivated for vocationally interest as compare to female. And other side we found that low achievement motivation of male and low achievement motivation of female of commerce group than we found that female are significant on only house hold. And female scored are lesser compare to male.

- In science group we found that female are highly achievement motivation for her Vocational interest as compare to male. But both group are significant on agriculture, artistic, household and total vocational interest. So on the other side we can see table 4.49 male and female of low achievement motivation scores are significant on agriculture and household, and male have low scored as compare to female of low achievement motivation with the measure of total vocational interest..
When we take total sample of male of achievement motivation then we found that both group are significant on total achievement motivation at 0.05 level. And also total sample of female of achievement motivation than we found that both group (High and low) significant on agriculture, artistic, household literary, social and total vocational interest of female.

Vocational interest of arts group of male and female than we found that both group are not significant but female scored of vocational interest higher as compare to male. This is because female mean score is 68.29 and male mean score of vocational interest of 68.11 so it means that female are highly vocationally interested as compare to male of arts stream. In commerce stream we found that male and female both group are significant on commercial, household and total vocational interest we can see table 4.53 than we found that female are highly Vocationally interested as compare to male. Because male of means scored lesser than to female. And lastly we found that in science stream both group are not significant on total vocational interest. But both group are on artistic, household areas of vocational interest and we found that same results in the case of science stream that female are highly vocational interest as compare to male.

When we take total sample of male and female of vocational interest than we found that both group are significant on agriculture, artistic, commercial and household areas of vocational interest and lastly we found that female scored higher as compare to vocational interest of male of total sample.

SUGGESTIONS:

The present study is a humble attempt in this field research findings of this study will provide an insight for further research House Infect, no research is complete research and it is also true that one problem soloed, and other problems springs up. We know world is the can proved true forever as the world is the result of continuous process of change so, every area needs more
and wore continuous study. So further researches may be done in relevant fields such as:

- Vocational interest of gifted and retarded children.
- Effects of father's profession on Vocational choice of the children.
- Study of Vocational interest of boys and girls at district level, state level etc.
- Effects of different universities or boards on the Vocational interest of their students.
- Effects of anxiety, achievement motivation on the vocative of the students.
- Vocational interest of the students belonging to different geographical conditions and climate.
- Vocational interest of the students belonging to different castes, classes, communities.
- The study of vocationally adjusted and maladjusted person in service on relation to there interest and their contemporary vocation.
- Effective of mass-media on vocational interest of children.