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A STUDY OF GENERAL INTELLIGENCE OF COLLEGE STUDENTS



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ABSTRACT

This study aimed at finding out the general intelligence of college students. The sample comprised of 300 post graduate students. The tools used were Test of general intelligence for college students by Dr. K.S. Missa and Dr. S.K. Pal. The researcher used Mean, S.D. and t-test for the analysis of the scores obtained. It was found that the general intelligence of college students was below average.

KEYWORDS : *General Intelligence , analysis , learn quickly and learn .*

INTRODUCTION :

General intelligence is nothing but a very general mental capacity that, among things, involves the ability to reason, plan, solve problem think abstractly, comprehend complex ideas, learn quickly and learn from experience. It is not merely book learning, a narrow academic skill, or test –taking smart. Rather, it reflects a broader and deeper capacity for comprehending our surroundings - “Catching on”, “making service” of things, or “figuring out” what to do (Golt Freda, 1997, p. 13).

The scientific measure of general intelligence is very important. Seven researchers have worked in this field. Understanding the level of general intelligence is very important, we can give the methods of teaching, assignment according to their intelligence level. Hence this knowing about the general intelligence is very significant.

NEED FOR THE PRESENT STUDY

The present generation has become highly competitive in every walk of life. Every person is hectically trying to make more and more gains and also trying to outwit others. The result may be successful in some cases and failures in many cases. To avoid failures, the identification of general Intelligence of college students is necessary.

Due to lack of facilities to fulfill their necessities, they become mentally and emotionally disturbed and are sometimes declared problem students. Sometimes, it is seen that economic status, insufficiently educated parents, environmental monotony, etc. also become hindrances in the development of talent of a child. Their intelligence, therefore, should be identified in time and be utilized for the good of society, the nation and the world.



Intelligence plays a predominant role in every aspects of students life i.e. learning, memory, grasping the meaning, longer retention of the information learnt and achievement by considering the importance of intelligence in students life the investigator chooses this problem for her investigation. Hence the problem is stated as,

OBJECTIVES OF THE STUDY

- 1.To find out the level of General Intelligence of college students.
- 2.To find out the relationship between the level of general intelligence of college students with respect to

- | | | |
|-------|---------------|--------------------|
| (i) | Gender | - (Male/Female) |
| (ii) | Locality | - (Urban/Rural) |
| (iii) | Subject | - (Science/Arts) |
| (iv) | Year of study | - (I year/II year) |

HYPOTHESES OF THE STUDY

- 1.The level of general Intelligence of college students in high.
- 2.There is no significant difference between the level of general intelligence of college students with respect to the following:

- | | | |
|-------|---------------|--------------------|
| (i) | Gender | - (Male/Female) |
| (ii) | Locality | - (Urban/Rural) |
| (iii) | Subject | - (Science/Arts) |
| (iv) | Year of study | - (I year/II year) |

Methodology: Normative Survey method was used to achieve the present objective of the study. 300 PG students (include both gender) selected randomly from Kanchi Mamunivar Center for Post Graduate Studies in Puducherry region were used as sample for the present study.

Tool: Test of general intelligence for college students by Dr. K. S. Missa and Dr. S.K. Pal.

RESULTS AND DISCUSSION

Hypothesis 1: The level of General intelligence of college students is high.

Table - 1

Score	N	Mean	S.D.
valid	300	30.66	5.643

From the table the mean score of college students is found to be 30.66%, which is less than 50%. Hence the framed hypothesis is rejected. Hence it is concluded that the college student's general intelligence is below average.

Hypothesis 2: There is no significant difference between the mean scores of level of general

intelligence of college students with respect to gender.

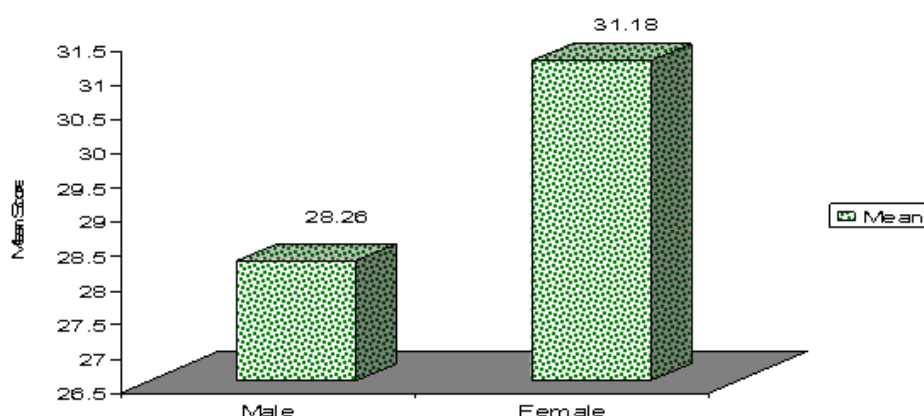
Table - 2

Sex	N	Mean	SD	't' value	Level of significance
Male	53	28.26	5.414	3.537	.01
Female	247	31.18	5.568		

It is evident from the table-2 that the calculated t-value (3.537) is greater than the standard table value (2.57) at .01 level. Hence the framed null hypothesis is rejected. There is significant difference in the level of general intelligence of college students (post graduate students) with respect to their gender. The female PG students exhibit higher level of general intelligence than that of male PG students.

Graph –1

Graph showing significant difference in the level of General Intelligence between Male and Female Post Graduate college students



Hypothesis 3: There is no significant difference between the mean scores of level of general intelligence of college students with respect to locality.

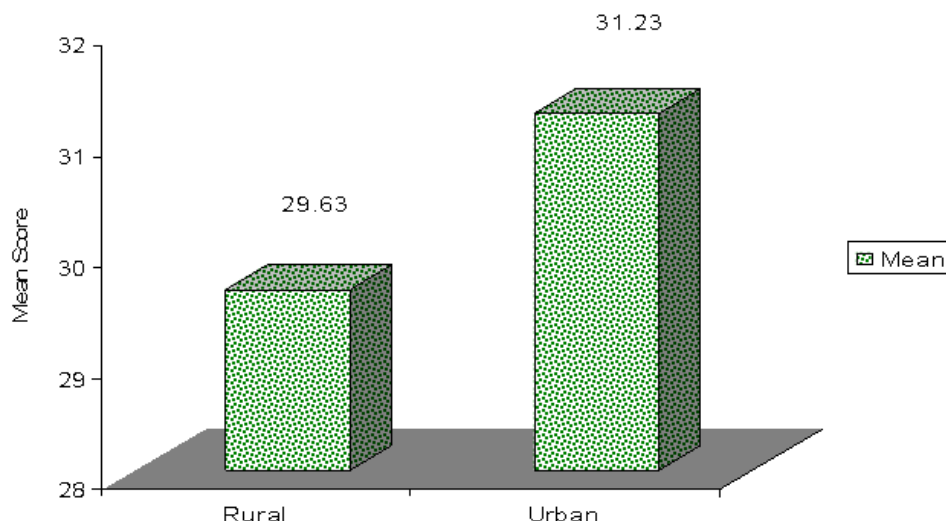
Table - 3

Sex	N	Mean	SD	't' value	Level of significance
Rural	106	29.63	5.486	2.379	.05
Urban	194	31.23	5.661		

It is evident from the table that the calculated t-value (2.379) is greater than the standard table value (1.96) at .05 level. Hence the framed null hypothesis is rejected. There is significant difference in the level of general intelligence of college students with respect to their locality. The urban PG students exhibit higher level of general intelligence than that of rural PG students.

Graph - 2

Graph showing significant difference in the level of General Intelligence between Rural and Urban Post Graduate college students.



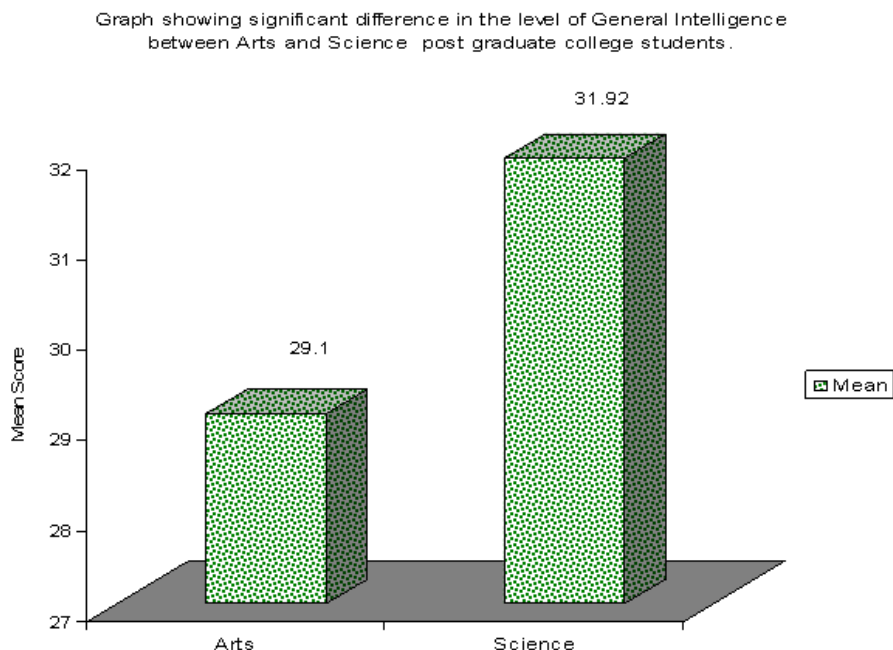
Hypothesis 4: There is no significant difference between the mean scores of level of general intelligence of college students (post graduate students) on the basis of subject (Arts / Science).

Table - 4

Sex	N	Mean	SD	't' value	Level of significance
Arts	134	29.10	5.367	4.448	.01
Science	166	31.92	5.561		

It is evident from the table, that the calculated t-value (4.448) is greater than the standard table value (2.57) at .01 level. Hence the framed null hypothesis is rejected. There is significant difference in the level of general intelligence of college students with respect to their subject. The science PG students exhibit higher level of general intelligence than that of Arts PG students.

Graph - 4



Hypothesis 5: There is no significant difference between the mean score of level of general intelligence of college students (post graduate students) on the basis of year of study (I year / II year).

Table - 5

Year of study	N	Mean	SD	't' value	Level of significance
I Year	177	30.40	5.744	.994	Not significant
II year	123	31.05	5.495		

It is evident from the table that the calculated t-value (.994) is lesser than the standard table value (1.96) at .05 level. Hence the framed null hypothesis is accepted. There is no significant difference in the level of general intelligence of college students with respect to their year of study. The PG students year of study do not have an impact over their level of general intelligence.

MAJOR FINDINGS

1. The level of general intelligence of college students is below average.
2. The female Post Graduate students exhibit higher level of general intelligence than that of male post graduate students.
3. The urban Post Graduate students exhibit higher level of general intelligence than that the rural post graduate students
4. The Science post graduate students exhibit higher level of general intelligence than that of Arts post graduate students.
5. The Post Graduate students' year of study do not have an impact over their level of general

intelligence.

RECOMMENDATIONS

The present study investigated the level of general intelligence of the college students the major outcome of the study indicates that the majority of the student's level of general intelligence is in low level.

- ✦ The government has to provided adequate education, it is very necessary for the students.
- ✦ Training programs may be given to improve their level of general intelligence.
- ✦ Students are asked to participate in various levels of competitions such as a written or oral expression and understanding the concepts.
- ✦ Students are advice to practice or exercise more in use in vocabulary and expression in order to develop their linguistic intelligence.
- ✦ Arithmetic and reasoning capacity of the students should be strengthened. For, this one should develop the inductive and deductive reasoning ability and scientific thinking.
- ✦ To widen their perceptive on themselves and the world around them.
- ✦ Include email, chart, teleconferencing and other interactive communication tools to help students to develop their level of general intelligence.
- ✦ There are many methods to improve the intelligence with many proven cognitive tools such as mnemonics, problem solving heuristics, creativity techniques and decision making tools.
- ✦ Social service agencies have to organize seminars, personality development classes, guidance and counseling for the college students to enhance their level of general intelligence.

CONCLUSION

The Intelligent students are the treasures of our nation. India needs able industrialists, scientists, educationists and leaders of talent to represent this developing country. The intelligent students have the ability to invent new things which can be utilized in society. If Intelligence students are not identified and encouraged then their energy may be channeled otherwise, and they can harm society by becoming anti-social elements. Besides this, in a country like India, it is very necessary to identify them and give them proper guidance. The present study has attempted to find out the level of general intelligence of college students. From the findings and conclusions it is clear that the general intelligence of college students is below average. The Government and the teachers should take steps to enhance the level of general intelligence of the students.

REFERENCES

1. Adrian Furnham, (2004), Personality and intelligence as predictors of statistics examination grades, Vol. 37 (5), p.p. 943 – 955.
2. Agarwal, (1999), Creativity and intelligence: Exploration with Sex Differences, Psycho-Lingua, National Council of Educational Research and Training, Vol. 1 (1), 2001, p. 31.
3. Aggarwal, J.C. (2009), Psychology of Learning and Development, Publ. Shipra Publications, Delhi.
4. Aruna Mohan, G. (2010), Psychological Foundations of Education, Publ. Neelkamal Publications Private Limited, Hyderabad.
5. Bhatia, K.K and Behera, K.C. (1997), Educational Psychology, Publ. Kalyani Publishers, New Delhi.
6. Chaman Lal, Sharma, A.K. & Sharma, S.K, (2011), Emotional Intelligence of Scheduled Caste students in Relation to self-concept, Vol. 10, No. 7, Neelkamal Publications Private Limited, Hyderabad, pp. 40-

43.

7.Naushad Husain, (2011) Influence of Intelligence on Adjustment of Teacher-Trainees, Vol. 10, No. 7, Neelkamal Publications Private Limited, Hyderabad, pp. 34-39.

8.Tatiana V. Kornilova, (2009), Subjective Evaluations of Intelligence and Academic Self-concept Predict Academic Achievement: Evidence from a Selective Student Population, Learning and Individual Differences, Vol. 19 (4), p.p. 596–608.

9.Vandana. V, Jadhav & Ajaykumar. B. Patil, (2010), Emotional Intelligence among Student Teachers in Relation to General Intelligence and Academic Achievement, Vol. 10, No. 3, Neelkamal Publications Private Limited, Hyderabad, pp. 36-37.

10.Zi-juan Cheng, (2003), Are Intelligence and Personality Changeable? Generality of Chinese Students' beliefs across Various Personal Attributes and Age Groups. Vol. 34 (5). Pp 731-748.

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