



EXAMINATION WRITING STYLE OF +2 STUDENTS WITH RESPECT TO PHYSICS

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ABSTRACT

Physics is a very important subject for both board exam and competitive exam. The school physics syllabus from classes IX-XII is playing a vital role in various competitive examinations. To have very standard presentation in exams the students should prepare short notes for important derivations. The diagrams, circuits and graphs should be practiced well. This paper assesses the examination presentation style of +2 students with respect to physics subject. The sample consists of 850 +2 Physics students in Sivakasi District. Simple Random Sampling Technique was used. Examination Writing Style Inventory developed by the investigator and guide was used to collect the data. The statistical technique used was mean, standard deviation and 't' test. The findings of the study were: i) The level of examination writing style of +2 physics students is low. ii) There is significant difference between male and female +2 Physics students in their examination writing style and iii) there is no significant difference between Tamil and English medium +2 Physics students in their examination writing style. Survey technique was adopted for this study. The educational implications and suggestions for further study are also given as per the findings of the study.

KEYWORDS: Examination Writing Style, +2 Physics Students.

INTRODUCTION

Physics is a very important subject for both board exam and competitive exam. The school physics syllabus from classes IX-XII is playing a vital role in various competitive examinations. So students should adopt systematic learning process to learn physics concepts from secondary stage to higher secondary stages. Students should read and practice physics from your school textbook regularly. The regular reading of physics lead maintains a good balance between numerical problems and definitions or theoretical problems. To have very standard presentation in exams the students should prepare short notes for important derivations. The diagrams, circuits and graphs should be practiced well. This paper assesses the examination presentation style of +2 students with respect to physics subject.

NEED FOR THE STUDY

The significance of Physics as a discipline cannot be over emphasized due to its all pervasive applications as a tool in every sphere of human endeavours. The knowledge explosion has led to the emergence of the ultra and supra disciplines like Mathematics, Chemistry, Engineering, Accounts, Management, Bio-informatics, Geo-informatics, Nano- Science, etc. wherein even the basis of these subjects cannot be understood by anybody without the required Physics backgrounds. The researcher has carefully considered the recent past researches and realized that few research studies have been attempted in India on such Internal variables as predictors or influencing Physics achievement of student in secondary, higher

secondary and higher education levels. The researcher has also observed that the internal environmental variable like examination writing style of the students is attempted as one of the independent variable. Further the researcher has also learned from the above Indian researches that some of the external environmental variables in relation to physics achievement such as gender and medium of instruction are also studied. So the investigator has taken up this present study for investigation.

Operational Definitions of the Key Terms Examination Writing Style

The best way to do well in exams is to make sure we are well prepared and have done our revision.

+2 Physics Students

In this investigation is concerned the investigator has considered +2 Physics students as 'the students those who are studying in twelfth standard under State Board of Education, Government of Tamilnadu after completion of their SSLC/X Standard'. Physics is the science of structure, order and relation that has evolved from elemental practices of physics formulas, measuring, and describing the movements, fraction, force, etc.

Objectives of the Study

1. To find out the level of examination writing style of +2 physics students is moderate.
2. To find out there is no significant difference between male and female +2 Physics students in their examination writing style.
3. To find out there is no significant difference between Tamil and English medium +2 Physics students in their examination writing style.

Null Hypotheses of the Study

1. The level of examination writing style of +2 physics students is moderate.
2. There is no significant difference between male and female +2 Physics students in their examination writing style.
3. There is no significant difference between Tamil and English medium +2 Physics students in their examination writing style.

METHODOLOGY

The researcher adopted the survey method to study the examination writing style of +2 Physics students.

Population and Sample

The population for the present study consisted of the +2 Physics students in Sivakasi district. 850 +2 Physics students were taken for this investigation. The investigator collected the data from schools in Sivakasi district. They were selected randomly from each school.

Tool use for the Study

The investigator has used self made tool. Examination Writing Style Inventory for +2 Physics students.

Statistical Techniques Applied

Mean, Standard deviation and 't' test

Delimitations of the study

- The study is conducted in +2 Physics students under Tamil Nadu Government State Board in Sivakasi District only.

Data Analysis and Findings of the Study Null Hypothesis 1**Table 1****Level of Examination Writing Style of +2 Physics students**

Variable	Low		Average		High	
	Count	%	Count	%	Count	%
Writing Examination Style	424	49.9	214	25.2	212	24.9

Forty nine point nine percentage of the +2 Physics students has low, 25.2 percentage has average, and 24.9 percentage has high level of examination writing styles.

Null Hypothesis 2**Table 2****Difference between Male and Female +2 Physics Students in their Examination Writing Style**

Gender	N	Mean	S.D	Calculated 't' value	Remarks
Male	384	252.21	6.346	2.446	S.
Female	466	286.31	11.587		

Table value for df 850 is 1.96 at 0.05 level of significance.

It is inferred from the above table that there is significant difference between male and female +2 Physics students in their examination writing style.

Null Hypothesis 3**Table 3****Difference between Tamil and English medium +2 Physics Students in their Examination Writing Style**

Medium of Instruction	N	Mean	S.D	Calculated 't' value	Remarks
Tamil	748	51.34	1.348	1.344	N.S.
English	102	51.17	1.243		

Table value for df 850 is 1.96 at 0.05 level of significance.

It is inferred from the above table that there is no significant difference between Tamil and English medium +2 physics students in their examination writing style.

EDUCATIONAL IMPLICATIONS

1. Female +2 physics students perceive more examination writing style than male +2 physics students. This may be due to that the female +2 physics students are spending more time for weak subjects, preparing notes while studying and worked in time. Around every one student out of five has identified the repeated and recalling concepts and spend more time during examination. Nearly two third of the students mentally prepared for their study, studying subjects every day, stick on with study time and doing homework themselves.
2. The study revealed that most of the students are adopting good pattern of examination writing style and very few of them are in lack in their examination writing style. Therefore the teachers should be given special attention and additional orientation to the students for how to handle the examination in good manner. The Study also recommended some of the teaching hours will be allotted for orientation on examination writing style in addition to regular class periods.

SUGGESTIONS FOR FURTHER RESEARCH

The following are the suggestions for further research studies.

1. A similar study may be undertaken for college students, student teachers and polytechnic students.
2. This study can be extended to school and college teachers.
3. The sample is taken from Sivakasi district only. It can be extended to other districts.
4. Some more dimensions were included in examination writing style and can be taken into account for further investigation.

CONCLUSION

A number of important implications for learning and teaching and those ideas are considered within the context of examination writing style which impact on the scholastic achievement that students might employ during learning. A study of academic achievement of +2 physics students as concomitant of anxiety, self-concept and level of aspiration is replete with sufficient educational implications. The findings of this study may help educational planners, administrators guidance personnel and counsellors, teachers and parents in giving proper guidance to +2 physics students.

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