
“A Critical view of the concepts and basis of IQ test in Human’s life.”

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Abstract

This research is a bird’s eye view on the limitations & benefits of IQ test conducted in various sectors like education, corporate, military, forensic, etc. This research work has tried it is best to portray & signify the concepts, advantages & disadvantages of IQ testing accordingly. Hope readers will find this research informative according to their terms.

Keywords: Intelligence Quotient, Cognitive development, holistic development, verbal skills, Vocabulary, Alfred Binet.

Introduction

The term ‘Intelligence Quotient’ is a fundamental part of psychology & education for over one hundred years. Formula for finding Intelligence Quotient is Mental age by Chronical age * 100. Many scholars, educators, psychologists & researchers debate & discuss over it with different ideas & believes. To rate & measure human intelligence, despite being interesting, attractive & captivating, has raised essential questions regarding its functions, reliability, advantages & application, particularly when tested on young children. This administration on young children has an objective to go in deep in historical background of IQ testing. It explores & analyzes the limitations & level of knowledge present in the young minds. These assessments are a critical reflection of intelligence of the young minds because it portrays their grasping skills & level of attainment. With the experiment of IQ test on children’s teachers can improve their speaking skills & calculative capability. It helps in enhancing both the qualities. IQ testing helps in Cognitive & Personality development among students.

IQ testing has many plus points like a student who scores good in WISC, he has a great chance to qualify competitive exams. An Employee’s good IQ level will give him a good package & position in company. At school level, if a person learns to develop his knowledge (IQ level), then this good habit will be maintained by him throughout life.

Historical Background

IQ testing was discovered by Alfred Binet's notable & pioneering work "The Development of Intelligence in Children" (1905). It was a very good work of psychoanalytical criticism theory in the 20th century. The main motive of Binet was to fulfill the special educational needs of needful students, not to judge their mental capability. The early beginnings of IQ testing started since 1900's, 20th century. At that time, the main aim of IQ testing was to give the special education to needful children. "The Development of Intelligence in Children" book by Alfred Binet narrates about the theory & explanation on the mental stage of children. Binet-Simon Scale is a practical application detailed test in it. This intelligence test book & the test described in it played a very crucial role in supporting education. Many people misunderstand this term that IQ testing was for labeling students according to their general knowledge but its solo motive was to enhance verbal & non-verbal skills of children. There are age-based rules & regulations in it. It is also helpful for teachers to identify the needful support to average students. It was not invented by Binet to label students as strong, weak, or disabled neither to measure their capacity & intelligence. Its solo motive was to improve the vocabulary, communication skills & problem-solving method for students in school. Companies, Education, Research, Sports & Academics every field use IQ test for its smooth & profitable management. Firstly, Alfred Binet promoted IQ test practicals in French schools around 1904. Stanford University's Lewis Terman reviewed Binet's test & he created Stanford-Binet Intelligence scale test for school children. Age limit 2 to 23 approximately. Later, David Wechsler created two types of tests for adults & children. For Adults, he created Wechsler Adult Intelligence Scale test (WAIS) & second test for children was Wechsler Intelligence Scale for Children (WISC). WAIS was for 16- to 90-year-old people. Similarly, WISC was for 6- to 16-year-old children for their verbal & cognitive development. WAIS is for basically a good employment opportunity in earning fields or for sports field. On the other hand, WISC is for school level children to improve their verbal, cognitive & holistic skills for a better future. Both were created by David Wechsler. David Wechsler born in 1896 & died in 1981 was a great American psychologist. His contributions & experiments in Intelligence measurement are incomparable & remarkable in nature. He was a PH. D holder in Psychology subject from Columbia University. He completed his PH. D in year 1925. Not only these two IQ tests, he expanded his career in more areas. Firstly, he formulated one more psychological test for military staffing in 1917. His partner in formulating this test was Robert Yerkes. In world war 1 US army needed not only physically strong but mentally strong soldiers for various roles. Binet's & Yerkes' this psychological test made hiring pf military soldiers more accurate & Meticulous. He also did job of a psychologist in a school of New York to assist children regarding psychological issues or counselling.

Understanding the Concept of IQ

IQ TESTING ENHANCES THE CONFIDENCE OF SPEAKING AND VARIOUS VERBAL ABILITIES LIKE TO UNDERSTAND LANGUAGE, LOGICAL REASONING, TO LEARN A NEW LANGUAGE, ETC.

IQ TESTING VARIOUS ROLES ARE AS FOLLOWS –

1. Listening & Speaking Skills – reading & writing, communicating, etc.
2. Reasoning- students can solve logical reasoning questions which can be helpful in qualifying competitive examinations.
3. Sharp memory- students will keep in mind the important materials till a long time.
4. Faster in work speed- students can become quick in decision making & will show more accuracy in classrooms.

There are majorly two types of IQ tests named ‘Fluid Intelligence’ & ‘Crystallized Intelligence.’ In Fluid Intelligence, students are given to resolve the issues/problems which are present in the novel. Through this type of IQ testing, a student can improve his reading & writing skills and his grasping capacity will also be increased. His understanding level will be enhanced smoothly. In Crystallized Intelligence, a student uses his acquired knowledge in any kind of reasoning exam to find out a solution. Crystallized Intelligence testing is kind of second stage after Fluid Intelligence test. A student should know how & where to apply his learnt skills so that his learnings can give him a better result. It is also helpful in employment opportunities & in identifying cognitive weakness.

Some of its limitations can be like it reduces the skill of creativity. Many students who are good in passing IQ test may ignore their emotional intelligence with a thinking that it is less important.

Should IQ Tests Be Administrated to Young Children?

If schools will conduct IQ tests for children, then their cognitive & problem-solving abilities will be enhanced. Every school should practise standardized evaluation & assessment for students for their better learning experience. Every school have a staff of psychological counselling to ensure smooth happening of IQ tests & marks should be allotted accordingly. Mostly, tests like Wechsler Intelligence Scale for young children & Stanford-Binet Intelligence Scale are in practise in various schools. Through the results, parents & teachers get aware of children’s need & requirements in academics & in personal life.

It has few advantages like students will know the importance of cognitive development at an early age. If they will adopt the habit of keeping them updated from the essential news of the world then their general knowledge will enhance & it will give them a bright future. They will also find their drawbacks, disabilities & plus points in academics so that they can improve it in future. New types of educational techniques & strategies will strengthen the teachings of schools. On the other hand, it has few disadvantages too in it. First disadvantage is that IQ scores are not constant in nature, it is dynamic. It changes over time. It is all depended on the student if he makes himself aware or not from daily important affairs. Many students take stress & anxiety that they will be judged by teachers on the terms of mental capacity etc. Many students & teachers put over attention on IQ testing due to which other

curriculum activities are neglected in schools. Some biased behaviour occurs in teachers for few students who need special educational support.

Is IQ Testing a True Marker of Intelligence to Young Children?

IQ testing in children is a complex & kind of controversial topic among people. No doubt that it enhances various cognitive abilities but still they are not solo aim for a student. IQ test has its benefits but it cannot judge the future of any student. It has various negative impacts to if conducted on students without any deep understanding. If students will become too practical in nature, then then will be least interested in social skills, interactions & emotional thinking will diminish in them. Children should have morals, values & emotions in them for a better life. Culture is a very big reason of negative influence on children during IQ test because every student is from different family background. Language can be a main barrier in this test. Non-native speakers can face discrimination in cultural regarding questions. Every student's response style is different due to different cultural background, so response will surely vary in nature. It can also negatively impact the test result. Response style can also act as a barrier according to this issue. IQ test can bring stress & anxiety among students because children are already worried about their academic performance. Societal judgement also creates a fear & resistance in the minds of young children from appearing in IQ tests. Many people stereotypically judge children on their scores with a thinking that less scores means the child is mentally weak\disable. Similarly, it has advantages too. It can give rise to holistic evaluations. Physical activities, case studies & observational teaching methods used in IQ tests can help a student develop his critical thinking skills.

Children's brain will be sharp & active due this type of practicals in schools & clumsiness will be eliminated in them. By keeping in mind this type of advantages & disadvantages a school should organize IQ test assessments on children according. At early age, mind of younger children is sensitive so teachers should handle these assessments very carefully, so that any test cannot negatively affect a child's brain. Schools should keep a organised environment for conduction of IQ test.

Conclusion

In the end it is proved that IQ test is a complicated & complex implement to measure cognitive abilities of children. On the other side, its disadvantages like language & cultural barriers should also be considered as well. Creativity also gets reduced because of practical & critical thinking. One thing more should be kept in mind that at least it promotes verbal skills & holistic personality so schools should conduct it under proper administration. Schools should organise dynamic & cultural equitable IQ tests for children to avoid any conflict. Multiple type of assessments & evaluations should be done for healthy feedbacks for children. Last but not the least, teachers should focus on student's weaknesses to improve it rather than labelling them weak or disable students. Students should enhance their knowledge rather than being engaged in comparing their results with other students.

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