The Basis and Thoughts of Paperless Test Introduced by Ideological and Political Lessons

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Abstract: The purpose of this paper is to explore the superiority and its future development of the paperless examination of education courses in colleges and universities, and to improve the effect of "teaching" and "learning". To achieve these goals, this paper introduced the basis and practice of paperless test of the ideological and political lessons in our university. This paper considers it is important to strengthen the construction of item bank and to combine the paperless examination with diachronic evaluation. The innovation of this paper is to use the information means to innovate the traditional examination way, and to promote the scientization and standardization of the test mode.

Introduction
Ideological and political lessons are introduced the paperless examination in colleges and universities, which greatly enhances the flexibility, economy, openness, credibility and efficiency of the exams. The paperless examination is the inevitable trend for the future development of ideological and political lessons in colleges and universities, and is the open education to realize student-centered effective way.

The Paperless Test is Simply Introduced
Based on optimized bank resources and by means of modern information technology, the paperless examination is generated through random group, which is a diversified, new type of exam management mode Integrated paper generation, exposition, marking and results. The main tool of the test is no longer the traditional pen and paper, but all kinds of terminal exam. Known as "a new way of exam", "green" test, "machine and auxiliary examination", or "test", the paperless test is a new type of test modes with the development of modern computer and communication technology.

The paperless examination includes three function modules and systems of administrator, teacher, student. Administrator subsystem includes teachers set, class performance statistical analysis and other functions, which mainly completes the class, teachers, curriculum and other basic information management. Teacher subsystem mainly completes item bank construction, students list of import, the test process error handling, etc. Student subsystem mainly completes the function of course online examination, automatic grading, scores inquiry [1].

Paper template of paperless examination includes chapters, answers, difficulty, pictures, comments, etc. there are many objective questions such as single topic selection, multiple choice, true or false, material analysis.

The Value Basis of the Paperless Examination Are Introduced by Ideological and Political Lessons

The Need to Improve the Objectivity and Justice of the Examination Evaluation System of Ideological and Political Lessons
Objectivity and justice are the goals of any examination evaluation system. There is a large amount of reading in the traditional paper examination of ideological and political lessons, especially such
subjective topic as the material analysis problem, the essay questions. Teachers even carefully review, careful scrutiny, the score given is certain subjective randomness. Traditional test does not ensure the objective, reliability and validity of the results. The paperless test is a good way to reflect objective and fair in this area. Under the support of computer network technology, efficient standardized test system will be more conducive to the objective and fair evaluation. Due to the automatic evaluation of computer system, high speed and accuracy, which basically avoid the artificial error evaluation?

The Need to Save Cost and Minimize Examination Work of the Ideological and Political Lessons

The traditional paper examination of ideological and political lessons in colleges and universities requires multiple departments work together from such links as registration, proposition, volume, title, volume, examination and evaluation, published results, analysis of test paper. The success of the test sets up on the basis of stable skilled examination personnel organization, which requires a lot of manpower and material resources and financial resources. The whole organization process is complicated, the cycle is relatively long, which puts forward high request to each link of the security work, once a link problems, the consequences will be unimaginable. Which is difficult for invigilation teachers, especially in conform to the provisions of the operation at the same time, they need to deal with and process all kinds of cheating on the exam.

The paperless examination makes a breakthrough to the limits of time and space of traditional paper examination. Due to adopt the way of examination paper source, there are no sets of complete test paper, only with the aid of the ready-made teaching equipment, without any input costs, which not only increase the efficiency of equipment, but also save a large amount of teaching expenses for university. Computer randomly generates examination paper, the papers extracted for different students is not the same at the same time and the same place, that cheating in the exam decreases to a minimum, test paper more truly reflects the real level of students, so as to avoid the plagiarism cheating, and guarantee the fairness of the exam, which can reduce the pressure of the teachers' supervise at the same time. In addition, because the computer automatically selects topic, group volume, marking, which can greatly reduce the workload and burden of the teachers, they can get a relief from the heavy writing, reading, and quickly organize the teaching research, which can greatly improve the teaching efficiency.

The Need to Improve the Effect of "Teaching" and "Learning" of the Ideological and Political Lessons

Papers in the Item bank are big quantity, wide coverage, strong knowledge, more comprehensive, but The examination papers randomly generates by computer are small topic quantity, less content, which generates conflicts between reviewing "more" content and testing "less" topic quantity. In order to solve this contradiction, the students need to finish every learning chapter, and search for related topics to try on the Internet, especially the single topic selection, multiple choice, true or false, material analyses. They can ask the teacher, also can discuss in the bedroom for difficulty topics. It is helpful for students to think about, review, consolidate and deepen the teaching relevant knowledge by doing a lot of topics, which also can greatly improve the effect of teachers' teaching and student's learning.

Implementation and Evaluation of Paperless Test of Ideological and Political Lessons in Our School

Ideological and political theories courses in our school generally have been adopted the paperless test since December 2014, which changed the disadvantages of difficulty organization, high cost and long cycle in traditional paper examination. At the same time, due to take an examination of random group volume by computer, which is not only more effective fair, objective and cost saving, but also makes the examination management works more efficient.
The paperless examination subjects of education courses in our school include four courses such as the basic principle of Marxism, ideological and moral and legal basis, and modern history of China, MAO Zedong thought and Chinese characteristic socialism theory system. There are single topic selection, multiple choices, true or false and material analysis. All are objective questions and each exam is 40 minutes.

The examination questions of each course are in line with quality standards, the difficulty and the topic quantity is moderate. Each examinee has a computer in each course paperless examination, papers of real-time display system will be on the examinee’s computer screen after registration. The examinee can be submitted papers ahead of time after test. The system will reject the registration examination again once submitting paper. In addition, the system will automatically submit the examination paper when the test time ends. Unexpected situations such as crash, misoperation occurred and interrupted the test In the process of examination, the supervisor have to adjust to the normal case according to supervise modules and appropriately extended the time, ensuring the total length of the test is constant. In every paperless examination, a few students can finish it in about 15 minutes, most of the students in 20 to 30 minutes, a few students finish all the exams in 30 to 40 minutes.

From the point of the examination results, the pass rate of Most of the courses such as the basic principle of marxism, ideological and moral and legal basis, MAO Zedong thought and introduction to socialist theory with Chinese characteristics reached 60%, 53% in modern Chinese history, an outline. The modern Chinese history is only 53%.

**Some Thoughts on Perfecting the Paperless Examination of the Education Courses in Colleges and Universities**

**Strengthen the Construction of Item Bank**

On the basis of the backing of the powerful software, the success of the paperless examination depends on comprehensive, scientific nature and rationality bank construction. The depth and breadth of content of a high quality, qualified question bank should be able to fully reflect the details of teaching materials and teaching outline requirements with large range of knowledge and wide coverage, and can detect students' study comprehensively, accurately, objectively. Questions can be divided into the single topic selection, multiple choice, true or false, material analysis, essay questions. Topics are organized according to chapters, The subject is divided into three levels such as difficult, medium, easy in accordance with the difficulty coefficient.

Accuracy is the most important criteria of a good question bank. This problem looks simple, but it is difficult to ensure that there isn’t a little error in the questions of hundreds or even thousands of problems. Teachers must have a high sense of responsibility, patience and carefulness. For example, the paperless examination of Generality of Marxism Basic Principles in our school was organized for the first time, there were 35 natural classes, 1690 students for the exam respectively in 4 days. We found two same multiple-choice questions The third day, deleted the several questions in the examination system not to carry on the supplement, there were 53 students submitting the final paper in the day because of only 19(normal 20) multiple-choice questions, which disturbed normal order of the test and caused great trouble to the next exam. There are three main reasons for this situation: The first is not rigorous questions, reviewing does not reach the designated position; Second, teachers are short of links of trying to do the title; The third is not very familiar with the operation of the paperless examination system.

**The Paperless Examination Combined with Diachronic Evaluation**

The paperless examination with real-time, summative characteristics mainly proceeds at the end of in learning behavior, the focus of the test is in the "try", which takes the paperless examination paper as a standard test to reflect the result of the students' learning, it emphasizes knowledge, oneness and unity. Students passively study, mechanical memorizing, becoming the book knowledge test machine in the summative examination mode. The way of the paperless examination
can only highlight students' memory of periodic, examination skills, performing skills, but is unfavorable to train and evaluate students' language expression ability, practice ability, innovation ability and self-management ability.

In order to avoid defects in the paperless examination, to really improve the students' quality and the ability to analyze and solve problems, we must update the concept of traditional paper examination and combine paperless examination with diachronic evaluation. With the characteristics of persistent, dynamic, decentralized, diversity and procedural, diachronic review is focused on "evaluation"[3], which is combined with space and time of learning behavior; it emphasizes the differences and has no specific standards on the evaluation of the result of the study. Diachronic examination is helpful to foster and improve students' ability of dialectical thinking, innovation, beginning, the practice, etc.

Further Improve Related Links of the Paperless Examination

The paperless examination greatly improves the teachers' work efficiency, reduces the test cost, and improves the teaching effect. But the paperless test has yet to continue to improve in our school because of poor compatibility, difficult upgrade maintenance, no subjective questions such as faults. For example, in order to reduce teachers' reading workload, there are no short-answer questions, the discourse topic such as subjective topic this time. Because the paperless network examination system is a computer sets, computer grade examination papers, So the storage problems in question are mostly objective questions. The computer can't mark subjective questions, also need the manual, which causes a lot of inconvenience for the teachers; a lot of subjective topics can't be implemented on the system because of the drawback of the paperless examination system [4]. The paperless examination should be combined with traditional written test, comprehensive evaluation, complementary advantages, and gives full play to their roles. The testing way will become more mature with the continuous development of computer hardware and software, especially the application of multimedia technology such as the paperless examination combined with remote exam system. Paperless test has already realized the design of the online exam. Remote exam can break away from the restrictions of the room. Paperless topic with objective questions can be used in the final exam, And remote test system with subjective topic can be used randomly in the teaching process. Students can take subjective topic in any place to surf the Internet or use cell phone. But the identity of the remote test need to do a lot of work to deal with the technical and management to prevent cheating, examination rules, etc.

References


