Arrangement of Secure Examination Questions based on ElGamal Algorithm

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Abstract

The data security is useful not only for strong and communication data in secret but also for ensuring that the source of the message is valid and that the message has not been altered. Cryptography was created as a technique for securing the secrecy of communication and many different methods have been developed to encrypt and decrypt data in order to keep the message secret. There are different types of encryption algorithms used to protect sensitive data including symmetric, asymmetric encryption techniques. In this paper, each department makes sample questions and encrypt sample questions and send to the exam authorized group. The authorized group save encrypted questions to the database and take one questions from the database by random. The exam authorized group decrypts the question and distribute plain text question. This paper implements a security system that provides arrangement of secure examination questions by using Elgamal Algorithm.