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Designing An Encrypted Electronic Program to Prepare Examination Questions for High Schools

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***Abstract*:- This paper will apply a computer-encrypted electronic system to convert words and letters into numbers and symbols. This work aims to ensure the highest degree of confidentiality when preparing documents, documents and test question forms for the application in the last stages of study before their admission to the university. Due to the tremendous scientific progress and the spread of social media, it is possible to easily steal important information found in computers with professionals in the field of electronic disk, so the highest standards of electronic security must be set to maintain the confidentiality of documents.**

Keywords: Question Models, Storage Flash, Encrypted Copy, Laser Barcodes

INTRODUCTION

The importance of science is not limited to the collection of information. Science creates a decent and high life, eradicating illiteracy, ignorance, poverty, hunger, and disease. People gain knowledge of rights and duties. Society has the keys to eliminating diverse crises: the housing crisis, environmental pollution, transport..., and the evolution of science that provides bridges between peoples and develops the idea of accepting and benefiting from one another's experiences. It endemic oneself to non-exclusion, striving all the time to demolish the other's achievements. No society needed anything more potent than learning, learning, and education. Civilizations did not appear in history until the day when a man could acquire science and knowledge, benefiting himself and others, evolving only with the development of science and deteriorating only with the cessation of science. Civilization is dependent on the existence and non-existence of science. Confidentiality of documents for any institution is essential, and maintaining such confidentiality requires specific user powers to ensure proper use and no loss of documents [1].

1. **Division of documents and determination of their relevance**

Each document's content should be understood to establish the necessary guidelines for its use by the specialized entities. This will facilitate work while guaranteeing that the papers are delivered undamaged.

2. **Using advanced software**

We are utilizing advanced software and document management systems to guarantee that the business retains documents and files for all departments. By employing electronic encryption techniques, a secure life cycle can be maintained without falling into the hands of employees with various functional statuses.

3**. Setting controls**

Establishing guidelines for document use is one of the most important aspects of document preservation since it determines whether a user can use the paper in ways like editing, scanning, adding, and printing. These controls are simple automation systems that personnel may quickly get used.

To ensure a good working cycle without information hacking, it is vital to maintain the confidentiality of all papers in the company, assess the significance of their content, and preserve it through specific measures [2,3,4].

Printing the examination paper with the Word office 2010

Millions of users worldwide use the Office program, after which versions are available in languages starting in the first edition of 2003. The program is easy and flexible and enjoys many advantages with the possibility of creating tables, graphs, and many other options.

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س3: A- متسعتان $(C_1 = 4\mu F, C_2 = 8\mu F)$ مربوطتان مع بعضهما على التوازي ، فإذا شحنت مجموعتهما بشحنة كلية $(600\mu C)$ بوساطة مصدر للتوطية المستمرة ، ثم فصلت عنه :

1) احسب لكل متسعة مقدار الشحنة المختزنة في أي من صفيحتيها .

2) أدخل لوح من مادة عازلة كهربائياً ثابت عزلها (k) بين صفيحتي المتسعة الثانية ، فأصبحت شحنتها $(480\mu C)$ ، فما مقدار ثابت العزل (k).

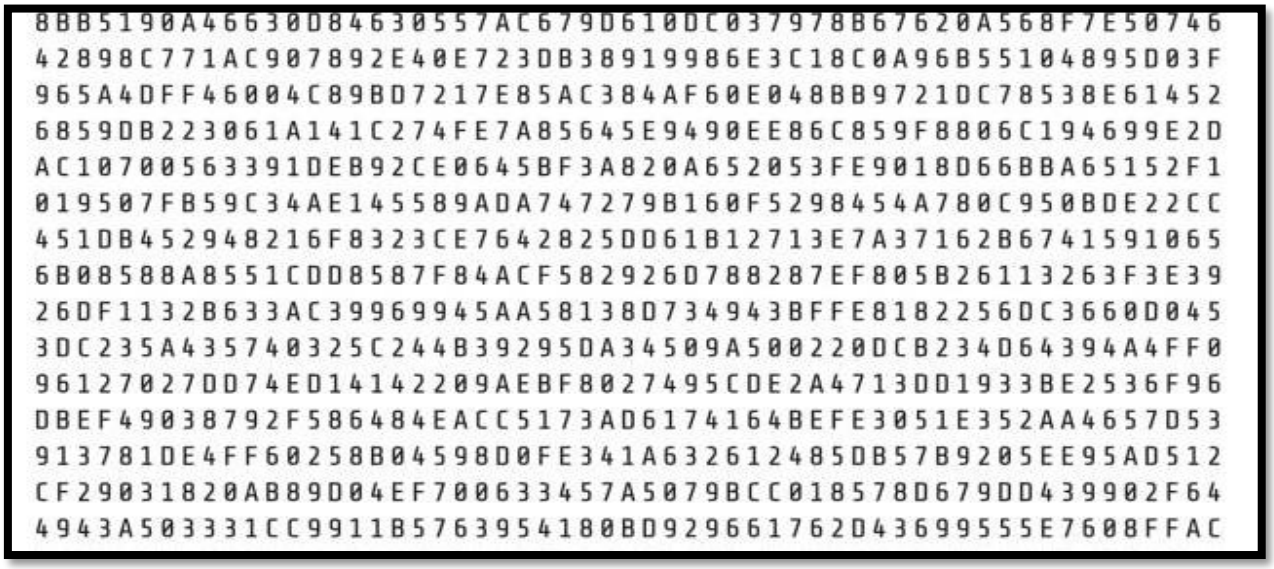
B- اختر الإجابة الصحيحة من بين الأقواس (لاتنين) مما يأتي :

1) نمط التداخل يتولد عندما يحصل : (الانعكاس ، الانكسار ، الحيود ، الاستقطاب) .

2) مقدار القوة الدافعة الكهربائية المحتثة على طرفي ساق موصلة تتحرك نسبة إلى مجال مغناطيسي في حالة سكون لا تعتمد على : (طول الساق ، وضعية الساق نسبة للفيض المغناطيسي ، قطر الساق ، كثافة الفيض المغناطيسي) .

3) يزداد المعدل الزمني لتوليد الأزواج (إلكترون – فجوة) في شبه الموصل : (بإدخال شوائب خماسية التكافؤ ، بإدخال شوائب ثلاثية التكافؤ ، بارتفاع درجة الحرارة ، ولا واحدة مما سبق) .

Fig1. Document printed before encryption process



```
8BB5190A46630D84630557AC679D610DC037978B67620A568F7E50746
42898C771AC907892E40E723DB38919986E3C18C0A96B5510489 5D03F
965A4DFF46004C89BD7217E85AC384AF60E048BB9721DC78538E61452
6859DB223061A141C274FE7A85645E9490EE86C859F8806C194699E2D
AC10700563391DEB92CE0645BF3A820A652053FE9018D66BBA65152F1
019507FB59C34AE145589ADA747279B160F5298454A780C950BDE22CC
451DB452948216F8323CE764282 5DD61B12713E7A37162B6741591065
6B08588A8551CDD8587F84ACF582926D788287EF805B26113263F3E39
26DF1132B633AC39969945AA58138D734943BFFE818225 6DC3660D045
3DC235A435740325C244B39295DA34509A500220DCB234D64394A4FF0
96127027DD74ED14142209AEBF8027495CDE2A4713DD1933BE2536F96
DBEF49038792F586484EACC5173AD6174164BEFE3051E352AA4657D53
913781DE4FF60258B04598D0FE341A6326124 85DB57B9205EE95AD512
CF29031820AB89D04EF700633457A5079BCC018578D679DD439902F64
4943A503331CC9911B576395418 0BD92966176 2D436995555E7608FFAC
```

Fig.2 Document printed after the encryption process

To take maximum protection action, the following work is done:
1. Pulling Hard Computer
2. Download models on Flash Memory which works by fingerprint for fingers.

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Fig.3 Flash Memory which works by fingerprint

Flashes of memory received from the Ministry of General Directorates with the imprint of the Director-General exclusively

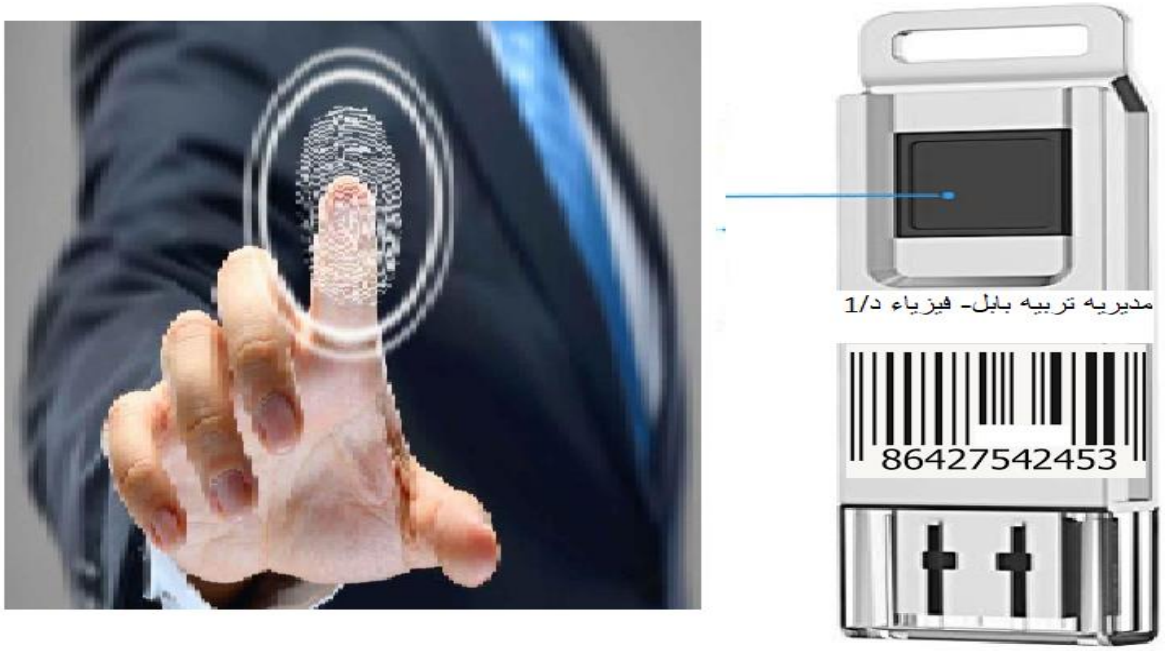

Fig.4 Fingerprint General Manager's thumb stored in Flash Memory

The flash from the Central General Committee contains the question form for a particular material. It is opened exclusively with the imprint of the Director-General of Education with an alternative digital code for fingerprints. [5]. It also contains the serial numbers of the examination centers to distribute flashers of central ministerial questions (Fig.5).

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Fig.5. Flash Memory with codes numbers

Fig. 6 Flash Memory Copying

Transfer flash memory to paper copier machine:

Fig.7 **flash memory** **Enter code**

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PACKAGING PROCESS:

Fig.8 secret plastic bag

Same Barcode

Fig. 9 Document Form

CONCLUSION

In this study, an encrypted computer program was applied to preserve essential documents and ensure they were not exposed to electronic hacking. The secret paper bag was also used to protect these documents. The memory flash is supported by the authorized person's fingerprint and the Laser barcode. This system can be used for all educational institutions, from primary schools to universities. It provides high security against intruders and computer pirates.

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