



The Organization of the Central Government, R.O.C.

President

Vice President

Executive Yuan

Legislative Yuan

Judicial Yuan

Examination Yuan

Control Yuan

* 5 Independent Branches

The Examination Yuan



- Examination Yuan (branch), is the highest and independent examination authority.
- Responsible for the examination and management of all civil service personnel.
- Overseeing the certification of all professional and Technical personnel, the practice in professional and technical profession shall be determined and registered through examination by the Examination Yuan.

中型一切一國國國國

The Organization of the Examination Yuan

The Examination Yuan has 4 subordinate agencies.



Ministry of Examination

Ministry of Civil Service

the Civil Service Protection and Training Commission

the Public Service Pension Fund Supervisory Board

TOTAL COUNTY OF THE STATE OF TH

The Organization of the Ministry of Examination



Ministry of Examination

* 6 Departments

(Administering Civil Service and Professional and Technical examinations)

Departments of Examination Planning

Senior & Junior Examinations

Special Examinations

Professional and Technical Examinations

Question Bank Management

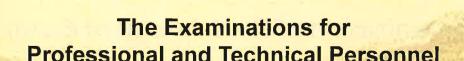
Information Management



The Examinations for Professional and Technical Personnel

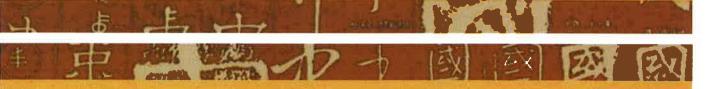
Senior Examinations:

- 1) Attorney · Certified Public Accountant
- 2) Architect · Various Engineer · Various Technologist
- 3) Medical Personnel
- 4) Veterinarian
- 5) Social Worker
- 6) Realty Appraiser
- 7) Insurance Personnel
- 8) Forensic Medical Examiner Notary Public
- 9) Ship Surveyor · Marine Personnel
- 10)Patent Agent



Junior Examinations :

Tour Guide · Tour Manager · Land Registration Agent · Bookkeeper · Realtor(Realty Broker) · Fire Safety Technician · Customs Clearance Agent · Insurance Personnel · Marine Personnel



The Examinations for Professional and Technical Personnel

■ Medical Personnel: (17 categories)

- Medical doctor
- Dentist
- Pharmacist
- Registered professional nurse
- Medical technologist
- Medical radiology technologist
- Physical therapist
- Occupational therapist
- Registered professional midwife

- Chinese medicine practitioner
- Clinical psychologist
- Counseling psychologist
- Respiratory Therapist
- Dietitian
- Speech Therapist
- Audiologist
- Dental technologist



Computerized Testing

A. Computer Fixed Test (CFT)

- 1) Simply replace the traditional paper and pencil test into a computerized test administration
- 2) Test delivery method provides the most analogue to paper and pencil testing
- 3) A fixed set of questions, fixed-length, fix-form administered to all examinees without adaptive item selection.
- 4) Allow to review and revise their item responses

B. Computer Adaptive Test (CAT)

- 1) Adapt the test to the examinee's ability level, the question is successively selected to tailor itself to examinee's level of ability
- 2) Different examinees receive quite different tests (Item response theory)
- 3) The ability estimate is updated, based upon all prior answers



The Advantages of Implementation of Computer Fixed Test

- 1) Heavy examination affairs: Over hundred categories of national examination each year.
- 2) Most of the Professional and Technical examinations are in written test (paper and pencil format) with multiple-choice questions of single-choice answer.
- 3) The paper and pencil test is easily imported into a computerized fixed testing administration software program.
- 4) The computer fixed test is convenient for test preparation, scoring and estimating reliability and validity in comparing with traditional paper and pencil test.
- 5) Elimination of typing, printing, providing, sealing and packing of examination materials, and no need of shipping to various test locations.
- 6) Chaotic sequence of the exam questions and answers for the closely adjacent seats to prevent exam cheating.



The Advantages of Implementation of Computer Fixed Test

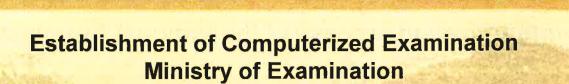
- 7) The facilities and security of computer examination halls and rooms are well evaluated and approved.
- 8) Central surveillance center for drafting test items and monitoring the examination.
- 9) The extensive encryption, restricted access to the test software and protection of password make it impossible to break security in comparing with paper and pencil test.
- 10) The questions and images are easier viewable and more clear and vivid on the computer screen than on the printed copy.
- 11) The answer is recorded directly in the computer response. Scanning answer sheet is eliminated.
- 12) All exam administration and test materials are recorded and stored in computer.



Establishment of Computerized Examination Ministry of Examination

- Set-up Computerized Examination Hall in the National Examination center (140 seats).
 Client Server – Installation and test of Computer one by one
- 2004 Implementation of marine personnel examination Web registration 440 seats
- ➤ 2007 Dentist · Registered Professional Midwife · Occupational Therapist · Respiratory Therapist · Veterinarian
- Set-up online tutorial for practice.
 Refinement of computerized examination system (facilities)
 Website Server, more efficiency, increase examination seats
 Approval of new computerized examination halls, increase 4 halls (north part, middle part, south part of Taiwan)
 Set-up central control (surveillance) center in the National Examination Hall

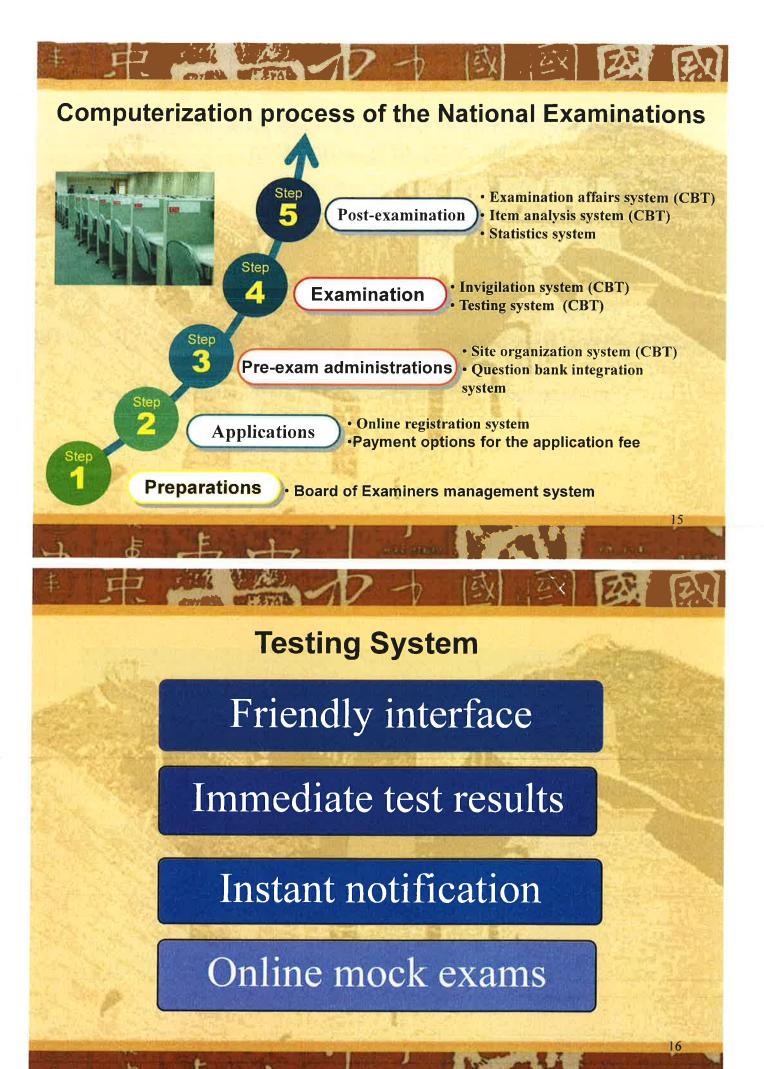
Electronic question bank

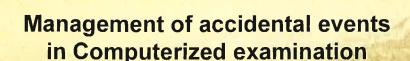


- ➤ 2013 Increase safety of examination environment. Increase computerized examination halls Medical radiology therapist, Physical therapist, Pharmacist, Medical Technologist examinations. 2077 seats increased to 5283 seats Increase efficiency and reduce costs
- 2015 Medical doctor examination, Total 14 categories
 Increase seats to 5602
 Provide computerized examinations for 15,400 examinees every year.



Computerized Examination Halls (May, 2014)						
Taipei area	4 sites	1546 sears				
Taichung area	4 sites	1880 seats				
Tainan area	2 sites	739 seats				
Kaohsiung area	3sites	1437 seats				
Total	13 sites	5602 seats				





- Compensation of delayed time should be given when delayed start of examination due to computer abnormalities, but not due to examinee's reason.
- 2) Additional points shall be given when the computer abnormally interrupts for answers. The additional points shall accord to the duration of delay.
- 3) When the computer screen fails to show the test items clearly, spare seat with normal screen is available or a paper copy of test items shall be available as soon as possible.

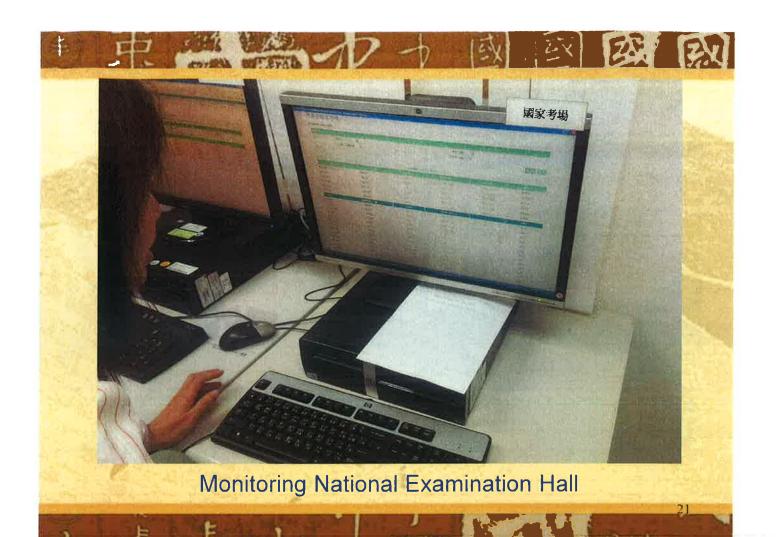


Security and Fraud Prevention: Incident Responses

10%-20% backup seats in case of computer breakdown.



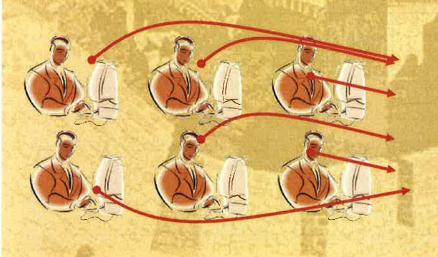


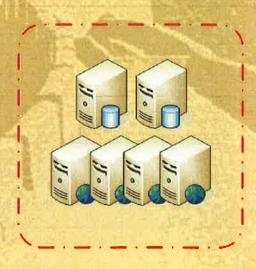


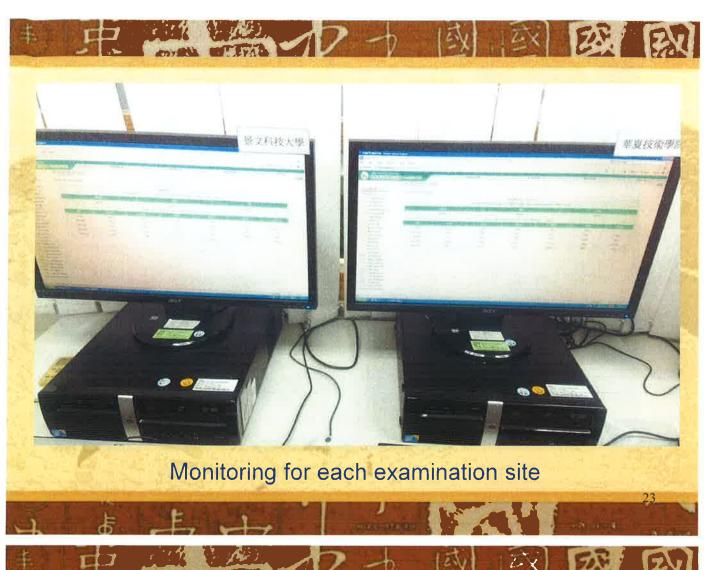
野型 國國國

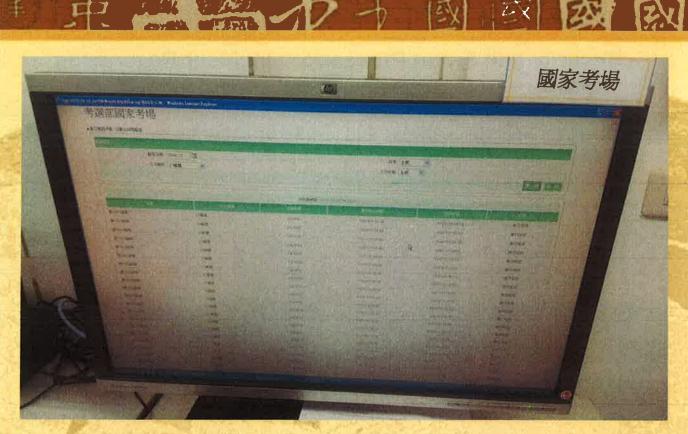
Security and Fraud Prevention: Incident Responses

■ The server records answers and results in real time for continuous online backup, keeping exam information secure.







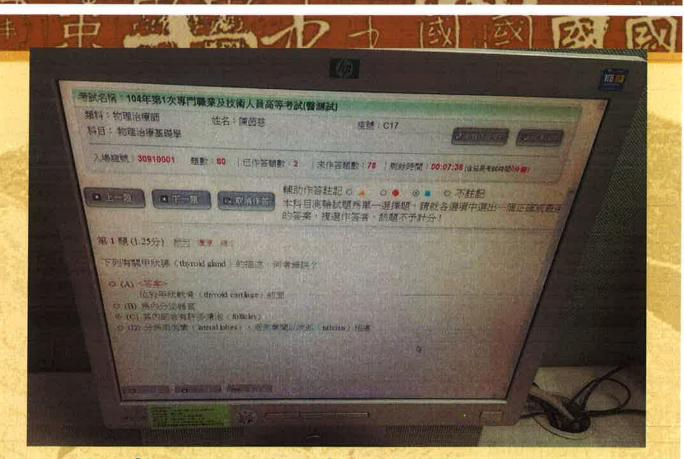


Monitoring Examination schedule

Characteristics of CBT: Centralized Monitoring

Real time examination monitoring





Showing number of questions answered



Testing System: Friendly Interface

questions

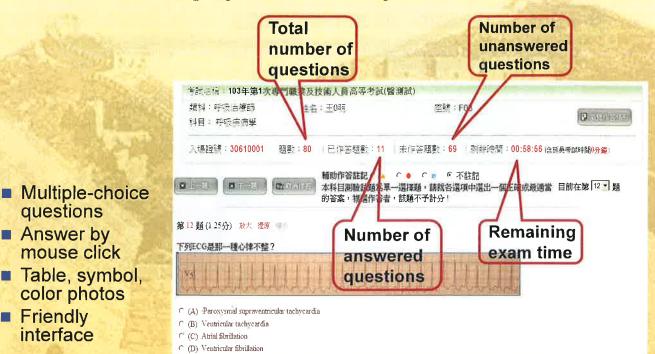
mouse click

color photos

Answer by

■ Friendly

interface



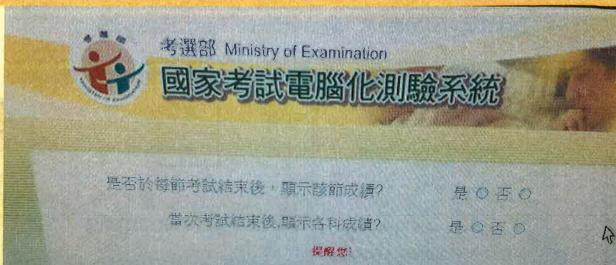
Testing System: Friendly Interface



There are three labeling marks under the testing system that help examinees quickly identify test questions that need to be reviewed.

28





「如果選擇不顯示考試成績事後不得要求補印」 2.正式考試底議將由希撒部於修示後各登」

唯元

Request for showing score or not

中型力域刻刻刻刻

Testing System: Immediate Test Results

- Test results are calculated immediately after each exam session.
- Penalty marks are deducted.
- The official results are posted after the grades have been published.



考還部 Ministry of Examination

國家考試電腦化測驗系統

姓名	王0明				
考試名稱	103年第1次專門職業及技術人員高等考試(醫測試				
额料	呼吸治療師				
座號	F08				
入場題號	30610001				

科目	總研數	答對題數	答譜題數	未作答題數	應試結果
心肺基礎醫學	80	40	40	0	50.0000
基礎呼吸治療學	80	80	0	0	100.0000
吁吸治療儀器設備學	80	80	0	0	100.0000
呼吸器原理及應用	80	80	0	0	100.0000
重症呼吸治療學	80	80	0	0	100 0000
呼吸疾病學	80	80	0	0	100.0000

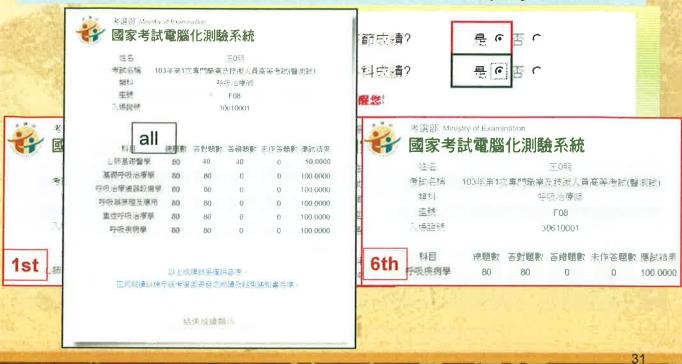
以上成績諸果僅供記考。

正式成績以榜千後等選託寄發之成績及結果補知書爲準。

中一一一回回回回回

Testing System: Immediate Test Results

Examinees can select whether or not to display results



中一人一國國國國

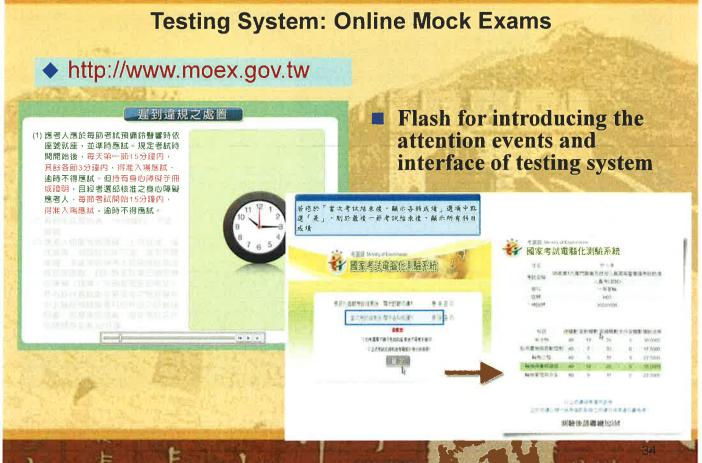
Testing System: Instant Notification

Examinees are alerted in real time













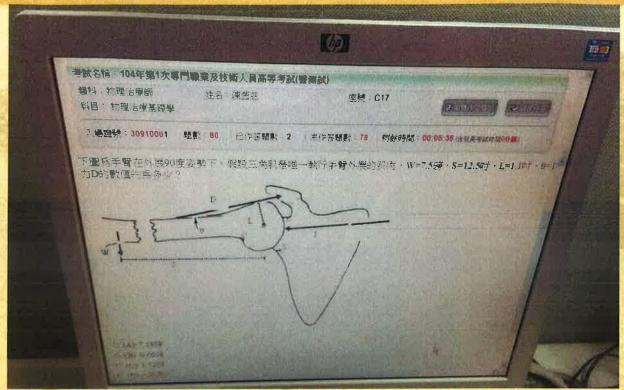


Image magnification



Approval of Computer Examination Hal Pu-Yin University of Science and Technology (South Taiwan)



Kun-Sun University of Science and Technology (South Taiwan)



Hwa-Hsia University of Technology (New Taipei City)

Characteristics of CBT: Computerized Examination Site Certification



Site certification logo

Strict qualification procedures:

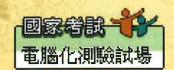
■ Public announcement

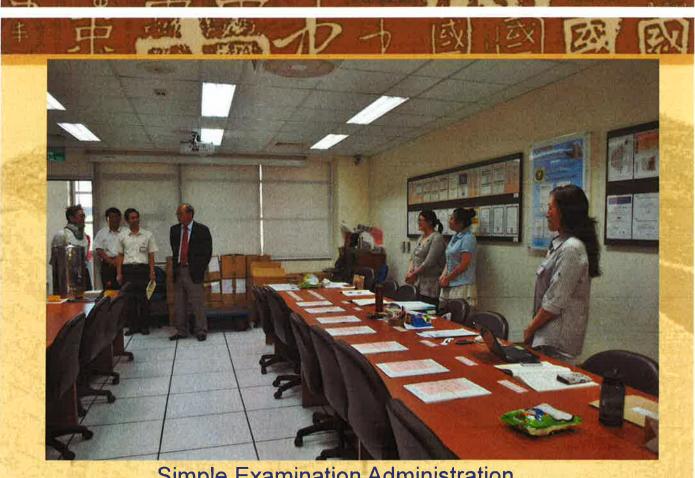
7 一國國國國

- Applications accepted
- Preliminary evaluation
- Onsite evaluation
- System building and HR training

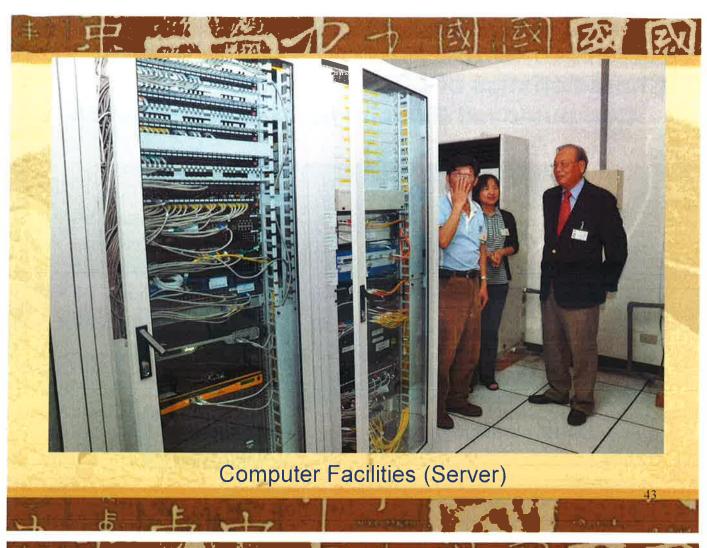
41

Onsite review

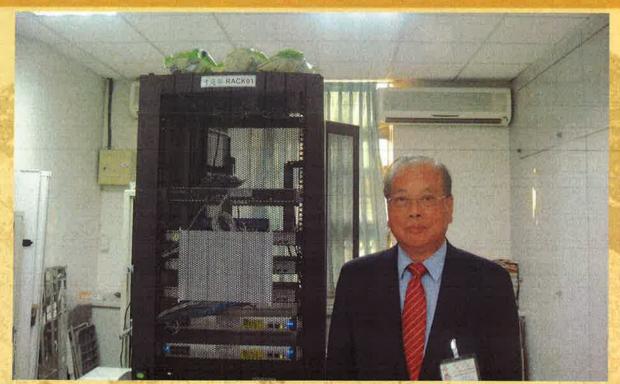




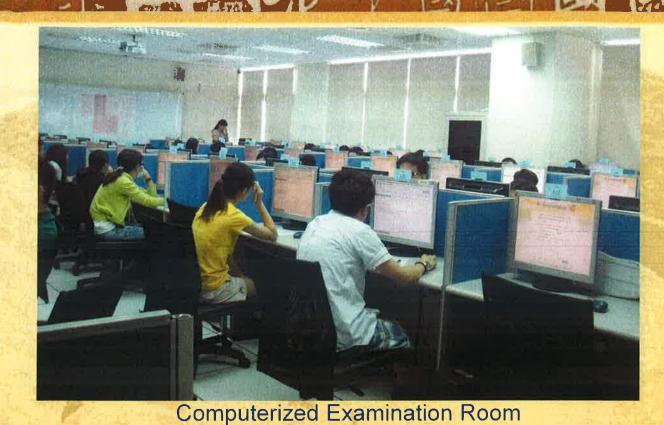
Simple Examination Administration







Cookies on the Server to guarantee the security and well function of the server

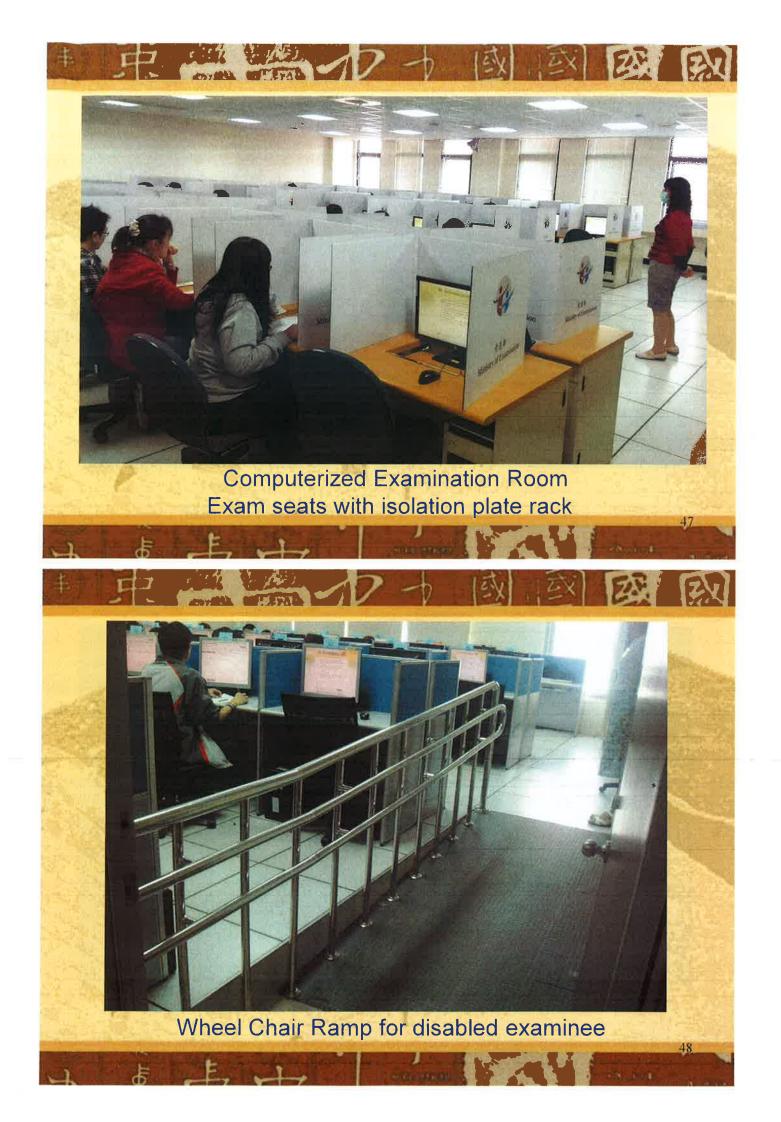


Computerized Examination Room
Exam seats without isolation plate rack





Chaotic sequence of the exam questions and answers to prevent exam cheating for the closely adjacent seats.





1/40

二、活動照片集錦



韓國延世大學臨床模擬中心模擬教室



高名譽理事長明見與韓國延世大學醫學院 Chung, Hyun-Soo 教授(左)合影



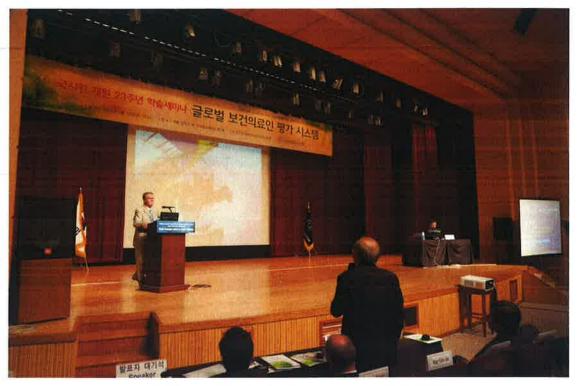
韓國國會議員 Moon, Jeong-Lim 女士於全球保健專業評鑑制度研討會開幕致詞



NHPLEB 執行長 Chung, Myung-Hyun 先生致歡迎詞



全球保健專業評鑑制度研討會開幕合影



高名譽理事長明見向美國 Stapleton 教授提問



高名譽理事長明見與澳洲 Doherty 教授(右)、韓國 Ahn, Ducksun 教授(左) 交換意見



全球保健專業評鑑制度研討會閉幕合影