

_____ 國立清華大學 101 學年度碩士班考試入學試題

系所班組別：計量財務金融學系 甲組、乙組

考試科目（代碼）：英文（4401、4501）

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The exam questions below are adapted from the sources of “Master GEPT Vocabulary, Master GEPT General English Proficiency Test and reading, All Pass, Test of TOEIC International Communication, and CNN News”

Questions 1~15: Choose the correct answer

1. The soccer player was kicked in the leg, and the audience saw him limp off the field in _____.
 - a) vigor
 - b) sequence
 - c) penetration
 - d) agony

2. Some of the most terrifying and sinister, as well as the most delightful and exciting, moments of that child's life _____ spent in the woods.
 - a) is
 - b) being
 - c) were
 - d) was

3. Five more minutes, and I _____ for him for half an hour.
 - a) am waiting
 - b) will have been waiting
 - c) waited
 - d) have waited

4. Bill, who was seriously ill, _____ in his chair.
 - a) slammed
 - b) slumped
 - c) smashed
 - d) seduced

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5. Sorry that I am late, I _____ house chores.
- a) come up with
 - b) put up with
 - c) was tied up with
 - d) find fault with
6. The closeness of two people when walking, movement towards or away from each other, and the amount of eye contact _____ something about the nature of the relationship between the two individuals.
- a) reveals
 - b) reveal
 - c) which reveals
 - d) revealing
7. A fire _____ on the boat, causing some of the sailors to jump off board.
- a) broke out
 - b) burned the candle at both ends
 - c) burned the midnight oil
 - d) brought home the bacon
8. The pickpocket took away a lady's purse and walked away _____.
- a) unnoticeable
 - b) unnoticeably
 - c) unnoticed
 - d) unnoticed
9. After a bitter quarrel, Maggie and Tom _____ and become friendly again.
- a) retaliate
 - b) reconcile
 - c) ridicule
 - d) reinforce

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10. The teacher _____ his students with the works of such romantic writers as Wordsworth, Coleridge, Byron, etc.

- a) accustomed
- b) adjusted
- c) addicted
- d) acquainted

11. Huge areas of land have become _____ following the irresponsible use of these highly toxic pesticides.

- a. Irrigated
- b. fertile
- c. barren
- d. luxuriant

12. A thunderstorm last night _____ electricity for a few hours, but no other damage was reported.

- a. bailed out
- b. brought down
- c. knocked out
- d. tore down

13. The new team _____ all managers from sale, marketing, personnel, and finance.

- a. consists
- b. comprises
- c. composes
- d. constitutes

14. A mother and her three children were _____ the house in the early hours of this morning in what police describe as an extremely vicious attack.

- a. inside slay brutally

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- b. brutally slain inside
- c. slay inside brutally
- d. brutal inside slain

15. In the _____ of the war, thousands of people died of starvation or illness.

- a. hindrance
- b. hindquarters
- c. aftershock
- d. aftermath

16~20 Cloze test: fill in the appropriate word

Company managers have shown considerable finesse in coming up ___16___ a scheme that gives workers more flexibility and saves money for the firms. Using a scheme called "flexitime," managers are allowing their employees to choose the times they want to work. As ___17___ as they show up for a certain amount of hours each week, workers can come and go as they please. Besides being welcomed by employees, this scheme also reduces the number of computers needed in the average office. ___18___ less people at work at any one time, large firms have been able to get ___19___ of thousands of PCs, as many end up idle once flexitime is introduced. Managers have also been able to cut ___20___ on the amount of money spent on computer systems. Many office computer networks can now be supported by a smaller server and maintained by fewer staff members. Industry experts say flexitime will be widely adopted in coming years.

21~25 Cloze test: fill in the appropriate word

The U.S. government has recently launched a campaign to clean ___21___ the air in the nation's major cities, ___22___ as New York and Los Angeles. The move follows the publication of a scientific study that indicates living in a city can shorten lifespan by as ___23___ as ten years. Cities provide convenient amenities to their

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residents, but they are now also associated 24 bad health. They say the pollutants have led to an increasing number of city children who develop illnesses such as asthma and allergic reactions to a range of foods at an early age. The study's authors say everyone who lives in a city for a long period of time will be affected in some way, 25 if it's simply an increase in the amount of phlegm produced in their throats.

Questions 26 to 29 are based on the adapted report below.

NEW YORK (CNN) -- Standard & Poor's said Friday that it has downgraded the credit ratings of nine euro area governments, including AAA-rated France and Austria. S&P lowered its rating for Italy, Spain, Portugal and Cyprus by two notches. The move means Italian bonds are now rated BBB+, dangerously close to the junk bond level that could make it even harder for the government to raise money. France and Austria both had their top-tier credit rating lowered by one notch to AA+. But Germany, Finland, the Netherlands and Luxembourg all maintained their AAA ratings. S&P also cut the ratings of Malta, Slovakia and Slovenia by one notch. It's not clear how hard the downgrades will hit markets. Normally downgrades could scare off investors in European debt and raise the cost of government borrowing. Investors have been expecting S&P to act for weeks now -- a fact that could blunt the impact.

S&P said the downgrades reflect a combination of economic and financial challenges, as well as "an open and prolonged dispute among European policymakers over the proper approach to address challenges." Specifically, the agency pointed to weakening economies, tightening credit conditions across the eurozone, rising interest rates for a growing number of nations and the "deleveraging" of both governments and households. S&P warned that most eurozone governments are at risk of further downgrades given the risk of a "more adverse economic and financial environment." Meanwhile, S&P said it welcomed recent moves by the European Central Bank to help prevent a credit crisis in the banking system. Standard & Poor's set the rumor

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mill in motion last month, when it put 15 members of the eurozone on review for a downgrade, including top-rated Germany and France.

Last August, the United States had its AAA rating cut one notch amid a political impasse over the nation's debt ceiling. The U.S. downgrade initially sparked a sell off in the stock market. But the reaction in the bond market was muted, with yields on U.S. government bonds holding steady at low levels. That may not be the case in the eurozone bond market. While yields on Italian and Spanish bills and notes have eased in recent days, investors remain wary of bonds issued by governments struggling with weak economic growth and heavy debt loads. The real test of market sentiment could come in the coming week.

26. Which of the following statement is correct?

- a. Ratings of France and Austria remain at AAA.
- b. Italian bonds are now rated at junk bond level.
- c. Downgrades are welcomed by investors and can lower borrowing costs.
- d. Rating of Netherlands remains unchanged.

27. What is the best title of this report?

- a. What you have to know about the credit rating.
- b. How the S&P, a credit rating company, set the credit rating
- c. 9 eurozone nations downgraded by S&P
- d. The impact of downgrade on credit rating

28. Which one of the following is not the reason cited for the downgrade?

- a. Economic and financial conditions are still in jeopardy
- b. Credit conditions are tightening.
- c. Interest rates in some countries are too low.
- d. The proper approach is yet to be addressed.

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29. According to the article, which one of the following is correct?
- a. Investors are shocked by S&P's downgrades this time
 - b. The U.S. bond market was barely affected when its rating was cut last year
 - c. Impact of the downgrade this time has been reflected
 - d. The European countries have reached agreements on how to address challenges.

Questions 30 to 35 are based on the following short articles.

Green Island, which got its name from the now-cleared lush vegetation that used to cover it, is located off Taiwan's southeastern coast. With a population of about 3,000, it is one of Taiwan's top tourist attractions. Tens of thousands of visitors travel to the island each year, mainly to see its underwater splendor. Off Green Island's shoreline, divers can find around 200 types of coral and many fish feeding in this underwater paradise. Visitors are now such an important part of the island's economy that fishing is restricted around the island to protect the fish and their habitat that help draw tourists. Green Island also has many attractions on land, the most famous of which is the Chaojih Seawater Spring. It is just one of only three seawater springs in the world. Other attractions include a lighthouse, built after a U.S. vessel ran aground off Green Island in 1937, situated near the airport. There is also Kuanyin Cave, which has a statue-shaped rock inside. Sometimes, on a clear day, the island, which was formed by volcanic activity and rises 281m above sea level, can be seen from Taiwan.

30. How did Green Island get its name?
- a. Because it has a lot of trees on it.
 - b. Because the seawater around it is green
 - c. Because it used to be covered with plant life.
 - d. Because it looks green when it is seen from Taiwan.
31. Why do people mainly like to visit Green Island?
- a. To see the lighthouse

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- b. To go to the seawater hot spring
- c. To see the off-shore coral
- d. To visit Kuanyin Cave.

32. Why is fishing restricted on Green Island?

- a. Because there's not enough fish
- b. Because there are not enough fishermen
- c. Because it scares tourists
- d. Because fishing might damage the coral.

33. What event led to the lighthouse being built on Green Island?

- a. The airport opened.
- b. Visitors started coming to the island
- c. A ship hit rocks in the area
- d. A statue-shaped rock was formed inside the Kuanyin Cave.

34. How was Green Island formed?

- a. It broke off from Taiwan millions of years ago.
- b. By a volcano
- c. The sea level went down, revealing the island.
- d. How it was formed is still unknown.

35. Which of the following about Green Island is correct?

- a. About 3,000 tourists visited Green Island every year.
- b. Fishing is restricted because people may get hurt.
- c. Seawater Spring, lighthouse, and a U.S. vessel are some of the most popular attractions on the Island.
- d. On Green Island, you are able to see its underwater splendor as well as visit some tourist attractions on land.

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Questions 36 to 40 are based on the following report

WASHINGTON (CNN) -- Face recognition and detection technology is becoming cheaper, faster, and much more commonplace, raising the question of whether people will be able to remain anonymous in the near future. Digital signs and sensors that detect and recognize faces are no longer a matter of science fiction. They are real and are popping up everywhere from malls to bars to smartphones. Today, the technology is not quite robust enough to snap a photo of someone on the street and instantly know who they are. Computer processors aren't fast enough to scan across billions of images in real time to match an offline face to an online photograph. But that's coming soon. "To match two photos of people in the United States in real time would take four hours," said Alessandro Acquisti, professor of IT and public policy at Carnegie Mellon University's Heinz College. "That's too long to do in real time. But assuming a steady improvement in cloud computing time, we can soon get much closer to that reality than many of us believed."

Acquisti and his research team at Carnegie Mellon have already developed a proof-of-concept iPhone application that can snap a photo of a person and within seconds display their name, date of birth and social security number. Currently, the reference photos have to be uploaded to a database, but Acquisti said that processing speeds will soon become fast enough to do the whole process online and in an instant. Since 1993, the false positive rate for identifying faces has been halved every two years, reaching 0.003% by the end of last year, according to the National Institute of Standards and Technology. Though computers still have difficulty identifying faces in low light or poor photo quality, programs are now able to capture a profile of a face, build a 3D model of it, rotate the photo and identify the person the face belongs to.

If a future in which you can always be identified really is around the corner, what will stop advertisers or even the government from putting names to previously anonymous faces of people walking into a store, strolling down the street or protesting a convention? The answer as of now: industry self-regulation. The Digital Signage Federation, a consortium of companies operating digital signs that detect or recognize

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faces, developed privacy guidelines that require consumers to "opt-in" to being detected or recognized. But that "opt-in" can be made as simply as walking into a store that posts on its window that it detects faces. Privacy advocates and lawyers representing face recognition companies agreed that the kink need to be worked out of the system. As of today, no laws or regulations specifically prevent your face from being detected or recognized without your consent. The solution, however, isn't easy. Warning people that a particular venue is equipped with face detection technology means the only way for people not to be detected would be to avoid the location. But what if it's a drug store and someone needs to get a prescription? What about a "do not track" registry of faces? Even if that technology could be developed, it's not feasible to ask everyone to submit a photo and unpalatable for many to opt-out of a system that most believe should be opt-in. Some suggested a red line denoting a face recognition area or even separate entrances. But what about digital signs on the sidewalk? "Wear a mask," said John Verdi, senior counsel of the Electronic Privacy Information Center. Now there's a thought. ■

36. Which one of the following is correct?

- a. Currently, to match two photos of people in the United States in real time takes four hours.
- b. The real time detecting technology has been achieved by a steady improvement in cloud computing.
- c. United States is the first country to pass the laws to protect consumer privacy from face recognition.
- d. There has been an agreement on privacy guidelines, raised by The Digital Signage Federation.

37. The word "opt-in" also means which one of the following?

- a. determine
- b. forsake
- c. plague
- d. participate

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38. Which of the following statement is true?

- a. The false positive rate for identifying faces has been double every two years
- b. Industry self-regulation plays critical role in applying the newly “face recognition” technology.
- c. If people wear specially-designed masks, the detection speed will be faster.
- d. With improvement in technology, computers have been able to identify faces in low light or poor photo quality

39. The word “unpalatable” can be replaced by which of the following?

- a. unaccountable
- b. unpleasant
- c. unquestionable
- d. irresponsible

40. What's the best title for this article?

- a. In the future, can you remain anonymous?
- b. What privacy guidelines need to be followed by everyone?
- c. When can the face recognition and detection technology be rolled out?
- d. Who developed the face recognition and detection technology?