

# 國立彰化師範大學105學年度第1學期學士班轉學生招生考試試題

系所： 化學系、機電工程學系

年級： 二年級

科目： 英文

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## I. Vocabulary: (20%) Choose the best answer (A, B, C, or D) to complete each of the following sentences.

- In any of these public discussions, of course, honesty is of the \_\_\_\_\_.  
(A) endeavor (B) essence (C) emersion (D) elasticity
- Even if you're dieting, you can \_\_\_\_\_ yourself once in a while; otherwise, it is hard to continue.  
(A) indulge (B) impute (C) incase (D) imitate
- Any ambassador should act with the utmost \_\_\_\_\_ to represent his or her government in a foreign country.  
(A) exemption (B) decorum (C) magnifier (D) outburst
- John Lennon is definitely the most \_\_\_\_\_ songwriter of his generation, and his songs are adopted as anthems by the anti-war movement.  
(A) precarious (B) plenary (C) rebellious (D) projective
- The US MQ9 Reaper Drone, the Laser Avenger and the ADAPTIV cloaking are among the most \_\_\_\_\_ weapons in the world.  
(A) sophisticated (B) multilateral (C) planetary (D) ruminative

## II. Close Test: (20%) Choose the best answer (A, B, C, or D) to complete the paragraph.

Electronic cigarettes appear to be safer than cigarettes for one simple reason: People don't 6 and smoke them. With the e-cigarettes, there is no burning tobacco to produce myriad new chemicals, including some 60 carcinogens. But new research suggests some popular e-cigarettes get 7 hot they can produce a handful of the carcinogens found in cigarettes and at similar levels. A study to be published this month in the journal *Nicotine and Tobacco Research* found the high-power e-cigarettes known as tank systems produce formaldehyde, a known carcinogen, along with the nicotine-laced vapor that their users inhale. The toxin is formed when liquid nicotine and other e-cigarette ingredients 8 high temperatures. A second study points to similar findings. The long-term effects of inhaling nicotine vapor are unclear, but there is no evidence it causes cancer or heart disease. Many researchers say e-cigarettes will turn out to be much safer than cigarettes. "Technology is way 9 the science," Dr. Shihadeh said. "We're creating this stuff, and we don't understand the 10." (adapted from *The New York Times*)

- (A) put out (B) set in (C) take off (D) light up
- (A) too (B) such (C) so (D) rarely
- (A) are familiar with (B) are careful of (C) are subjected to (D) are used to
- (A) ahead of (B) in front of (C) opposed to (D) back off
- (A) recreation (B) implication (C) evidence (D) management

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## III. Reading Comprehension: (20%) Based on the article, choose the best answer for each question.

In this city's urgent push to rein in gun and gang violence, the Chicago Police Department is keeping a list. Derived from a computer algorithm that assigns scores based on arrests, shootings, affiliations with gang members and other variables, the list aims to predict who is most likely to be shot soon or to shoot someone. Shaquon Thomas was on it.

His first arrest came at age 13, and others quickly followed, his face maturing in a progression of mug shots. By 18, Mr. Thomas, who was known as the rapper Young Pappy, had been wounded in a shooting, the police said. Then, last May, Mr. Thomas, 19, was fatally shot in what the police said was a running gang feud. His score was more than 500, putting him near the top of the Chicago Police Department's list.

The authorities hope that knowing who is most likely to be involved in violence can bring them a step closer to curtailing it. They are warning those highest on the list that they are under intense scrutiny, while offering social services to those who want a path away from the bloodshed.

About three years into the program and on a fourth revision of the computer algorithm that generates the list, critics are raising pointed questions about potential breaches to civil liberties in the creation of such a ranking. And the list's efficacy remains in doubt, as killings and shootings have continued to rise this year.

So far this year, more than 70 percent of the people who have been shot in Chicago were on the list, according to the police, as were more than 80 percent of those arrested in connection with shootings. In a broad drug and gang raid carried out last week amid a disturbing uptick this year in shootings and murders, the Police Department said 117 of the 140 people arrested were on the list. And in one recent report on homicides and shootings over a two-day stretch, nearly everyone involved was on the list. (adapted from The New York Times)

11. What is the best title for the article?

- (A) Research Centers Welcome a New Computer Software
- (B) Chicago Police Try to Predict Who May Shoot or Be Shot
- (C) Many People Die young in Chicago City Vulnerably
- (D) Criminals Survived From Gun and Gang Violence

12. How many times have the computer program mentioned been revised?

- (A) one
- (B) two
- (C) three
- (D) four

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13. What is the main idea of the last paragraph?
- (A) The statistics show the effectiveness of the program.
  - (B) Drug and gang raid should be correctly carried out.
  - (C) Homicides and shootings rates are high recently.
  - (D) Chicago is not a safe city due to high criminal rates.
14. Who is Shaquon Thomas?
- (A) A policeman
  - (B) A professor
  - (C) A victim
  - (D) A killer
15. According to the article, what is mentioned?
- (A) Some people concern about the human rights.
  - (B) The exciting story of the birth of the software.
  - (C) More variables like race and gender should be considered.
  - (D) The program has saved lots of life and stopped crimes.

## IV. Composition (40%)

"What is the key to personal greatness and success, beyond high test scores and social popularity? In 250 words, identify two or three key principles for total and spiritual success." Give specific reasons for your key principles.