

淡江大學 105 學年度博士班甄試招生考試試題

系別：各學系、研究所

科目：英 文

考試日期：12月5日(星期六) 第1節

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Part I: Choose the option that best complete the blank in the following sentence: 50% (每題二分)

1. As the number of middle-class people is expanding in this part of the world, _____ is the number of new cars on the street.
a) so too b) as well c) ever so d) so more
2. Privacy will become _____ because of the huge number of data in our daily life that will be connected to the Internet.
a) sensitive by nature b) valid possession c) a primary concern
d) controversial spot
3. The prime minister _____ late for the press conference because of a flight delay.
a) can be arriving b) will be arriving c) has been arrived d) would have been arrived
4. A google self-driving car _____ for going too slow.
a) took to the side b) got pulled over c) became head over heel d) fumbled over
5. Healthcare stocks were _____ yesterday following an announcement made by the minister about the pricing of drugs.
a) hit hard b) fell through c) missing target d) headed downturn
6. New research shows people are demanding healthier food and turning away from _____ fare and artificial ingredients.
a) addictive b) preservation c) processed d) pigmented
7. Many people use phones to keep tabs on email accounts, but how often they check their email can take a major _____ on their battery life.
a) span b) shift c) drain d) toll
8. A huge population shift from the countryside to urban areas is _____ demand for more cinema screens.
a) boycotting b) fueling c) impeding d) churning
9. It is very common for students to be _____ present in class, but mentally absent because they are using their mobiles.
a) functionally b) kinesthetically c) visually d) physically
10. It's a known fact that the abuse of taking antibiotics for flus and colds _____ to a huge public health problem.
a) can attribute b) culminate c) is conducive d) contributes
11. Rote learning, the process of memorizing by repetition, _____ many young children learn the alphabet or the multiplication tables.
a) is used for b) is how c) the way d) which is used when
12. Modern people take for granted the ease _____ we can pass along information with computers and the internet.
a) with which b) that which c) in that d) so that

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13. Not until he arrived home _____ he'd left his wallet in the restaurant.
a) did he find b) when he found c) he had found d) where he found
14. The Sun has been shining for nearly five billion years and is thought _____ sufficient thermonuclear fuel in its core to shine for about another five billion.
a) that has b) to have c) to be had d) having had
15. _____ machinery was integral to the development of industrial capitalism, so the rapid transfer of information is the force driving modern business.
a) Given that b) Just as c) Since d) Although
16. Their conversation was unsettling, for the gravity of their topic contrasted so oddly with the _____ of their tone.
a) piety b) reverence c) lightness d) severity
17. The mayor chose to incur dislike rather than _____ his principles to win favor with the public.
a) admonish b) manipulate c) endorse d) compromise
18. It was difficult to believe that the _____ piece of technology had evolved through the centuries from such a quaint and rudimentary apparatus.
a) coarse b) substantial c) sophisticated d) mundane
19. The results of the investigation indicate that the new drug is both safer and more effective than was previously _____.
a) pondered b) speculated c) assumed d) postured
20. The archaeologist enjoyed the _____ life she led while gathering artifacts; she never stayed at any one site long enough to get bored.
a) stealthy b) nomadic c) glamorous d) oblivious
21. The communication is very rapid, and is _____ from liability to mistake.
a) noteworthy b) precarious c) privileged d) exempt
22. Understanding the economy and how it works – on an individual, national, and global scale – is crucial to being an _____ citizen of the world.
a) acknowledged b) authentic c) informed d) illuminated
23. The earliest known _____ on the subject of supply and demand were written by Muslim scholars in the 1300s.
a) remedies b) complications c) reimbursements d) observations
24. The recent terrorist attack in Paris _____ a backlash among American politicians against the Obama administration's plans to resettle Syrian refugees.
a) provoked b) bombarded c) vilified d) discharged
25. Audio recordings, and the equipment used to make and play them, _____ many forms, including records, CDs, and analog and digital tape recorders.
a) make up b) bring forth c) come in d) arm with

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Part II: Cloze test: 10% (每題一分)

Read the text and choose the word that best fits the gap (26-35 題).

We are made to believe that fortified breakfast cereals are healthy. To a certain degree, they are. Several studies have proved that they help with 26 weight loss and weight management. What many don't know is that many of the cereals currently available in the market are overloaded with nutrients. And 27 of anything is *always* a bad thing. The Environmental Working Group (EWG), a health research and advocacy organization 28 in Washington, reported that food manufacturers use obsolete nutritional labeling rules. The report states that children are ingesting "unhealthy amounts" of vitamin A, niacin, and zinc through fortified breakfast cereals. These 29 are available in amounts that were intended for adults – and that's not all. 30 for adults, these amounts are beyond daily needs.

26. a) either b) neither c) both d) nor
27. a) none b) too much c) few d) more
28. a) grounded b) locating c) based d) situated
29. a) vitamins b) measures c) labels d) nutrients
30. a) Although b) Even c) However d) Nevertheless

Constructing new ways of thinking and converting them into habits is no easy task. As a matter of fact, it's one of the most difficult things to do, especially as you grow older and your habits are more firmly rooted.

Most of us are programmed for mediocrity. Most people are smart, educated and talented enough to be and do anything 31 desire. The potential is there, but it's rarely fulfilled. The truth is most of us are capable of great success, 32 few achieve it.

The reason is largely 33 of negative programming by individuals and people in power. The majority of champions I've worked with and coached during the years confess the bulk of the mental programming they received during their childhoods was substandard. 34 are quick to add that the people who programmed them—parents, teachers and adults of influence—were doing the best they could, based on their level of awareness at the time.

I remember meeting with my high school guidance counselor regarding my poor grades. She told me that attending college would be a waste of time. I was perplexed by her negative remark, but 35 by her attitude. She was making a recommendation based on grades alone.

31. a) with b) which c) they d) their
32. a) and b) whereas c) yet d) thus
33. a) way b) one c) both d) some
34. a) Many b) Those c) Less d) whom
35. a) generally speaking b) most of all c) after all d) at first

Part III: Reading comprehension 20% (每題二分)

Read the text below and answer Questions 36-45.

In 2015, the School of Computer Science (SCS) at Carnegie Mellon University (CMU) turns away 95% of those who apply to its undergraduate program. According to the university's admission office, out of 6,756 applicants only 350 were admitted—a rate of less than 5.2 percent. Compare that to the 19 percent acceptance rate for CMU's other seven undergraduate programs. It's even more selective than the acceptance rates at Harvard, Yale and Princeton.

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Prospective students are attracted to an undergraduate computer science curriculum that's arguably the best in the world—and, according to several published reports, the most lucrative for graduates. It isn't difficult to figure out why so many students want a bachelor's degree in computer science from CMU. In a word: Jobs. One widely quoted published survey claims that graduates with a newly minted B.S. in computer science from CMU have the highest starting salaries not only in their field, but in any field. In a survey done by SCS in May 2014, the median starting salary reported by students graduating with a B.S. in computer science was \$100,000.

Why are SCS graduates so highly desired? Professor Frank Pfenning, head of the Computer Science Department, argues that design of the SCS program results in a different kind of computer scientist than those graduating from some other universities. "A lot of schools provide a very shallow understanding of computer science as programming," he says. "For the first two years, we just teach fundamentals, before students really start to specialize. We're not in the business of giving our undergraduates a vocational education. We're in the business of broadly educating them in the field of computer science."

36. According to the report, a high school graduate has less chance of being admitted to
- seven undergraduate programs at Harvard, Yale and Princeton
 - Computer Science program at Harvard, Yale and Princeton
 - CMU's seven undergraduate programs other than SCS
 - CMU's School of Computer Science
37. What reason is given to explain why many students seek a degree from CMU's SCS?
- Business opportunity
 - Employment prospect
 - Fundamental education
 - Programming know-how
38. Which of the following statements is NOT true about CMU's computer science curriculum?
- Its graduates earn the highest starting salary in all fields according to a survey.
 - It aims at providing a broad education in the field of computer science.
 - It is arguably the best in the world.
 - It focuses on programming skills from the start.
39. The word "lucrative" is closest in meaning to
- a) profitable b) abundant c) robust d) versatile
40. CMU's SCS graduates are highly desired owing to
- the vocational education
 - the business training
 - the design of the SCS program
 - the science education

The slow growth of high-paying jobs in the U.S. since 2000 and rapid advances in computer technology have sparked fears that human labor will eventually be rendered obsolete. Yet while computers perform cognitive tasks of rapidly increasing complexity, simple human interaction has proven difficult to automate. In this paper, I show that the labor market increasingly rewards social skills. Since 1980, jobs with

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high social skill requirements have experienced greater relative growth throughout the wage distribution. Moreover, employment and wage growth has been strongest in jobs that require high levels of both cognitive skill and social skill. To understand these patterns, I develop a model of team production where workers "trade tasks" to exploit their comparative advantage. In the model, social skills reduce coordination costs, allowing workers to specialize and trade more efficiently. The model generates predictions about sorting and the relative returns to skill across occupations.

41. The passage is most likely taken from a
a) magazine b) journal c) manual d) pamphlet
42. What is the author's intent as inferred from this passage?
a) To promote awareness of the eventual obsolescence of the labor market
b) To develop a model leveraging social skills that allows workers to earn more money
c) To better understand the various social interactions that benefit workers across different labor markets
d) To quantify the growth difference among jobs that require different levels of cognitive skill
43. The word "obsolete" is closest in meaning to
a) outdated b) promising c) optimistic d) pervasive
44. Which of the following is true about labor markets?
a) Social skills are necessary in every labor market
b) Jobs that have low cognitive and social skill requirements are on the decline.
c) The human labor market will be rendered obsolete by advancements in computer technology
d) The human labor market increasingly favors individuals with high cognitive and social skills
45. Which of the following is the best title for this passage?
a) Efficacy of computers in a rapidly evolving labor market
b) How to model team production to reduce coordination costs
c) Understanding the rewards of social skills across different labor markets
d) Quantifying employee and wage growth variation in the computer age

Part IV: Essay writing: 20%

Many people feel that our school system is putting too much pressure on students and is creating undue competition among them. Some also believe that our society as a whole is too competitive. Does competition lead to better products and results, or does it lead to a focus on winning at all costs? Is fierce competition a good idea or bad idea? Take a position on the issue. Write an essay of about 300 words to express your thoughts. Be sure to support your response with reasons and examples.