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國立清華大學 108 學年度碩士班考試入學試題

系所班組別：環境與文化資源學系

考試科目(代碼)：英文(6502)

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Choose the best answer.

I. Vocabulary (20%)

1. When human relationships are involved in a job, it is difficult to set precise _____ for judging how well the job is being done. Merely physical or monetary standards are inadequate.
A. ornaments B. criteria C. phenomena D. repertoires
2. The training of human intelligence must include the simultaneous development of the altruistic, _____ capacity.
A. equivocal B. empathic C. enigmatic D. emphatic
3. The cathedral was seriously damaged during the war. Its _____ may continue for several decades.
A. preservation B. reservation C. restoration D. precaution
4. Reading a book is _____ to dropping chemicals into a test tube. There should be a reaction.
A. monologue B. analogous C. colloquial D. epilogue
5. Though the flowers looked very real, they were actually _____.
A. artificial B. prosperous C. abundant D. fundamental
6. In play the child _____, by the way he arranges his toys and so on, his emotional relation to the universe. In play he expresses a personal myth.
A. invades B. tampers C. resolves D. symbolizes
7. The _____ of the committee was that more funds were necessary to support the school athletic programs.
A. commotion B. congregation C. collusion D. consensus
8. It is clear that many of the standard labels—Naturalism, Futurism, Expressionism, to go on further—were forbiddingly intertwined and overlapped, producing a doubtful synthesis of many movements _____ different in kind and degree.
A. radically B. accidentally C. cynically D. malleably

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9. His efforts to keep the peace were so _____ that he was awarded the Nobel Peace Prize.

A. ridiculous B. mercenary C. commendable D. reluctant

10. The Pre-Raphaelites group _____ in 1848 intended to reform art in deference to the sincerities of the early Renaissance before Raphael in the fifteenth century in Italy.

A. reiterated B. disseminated C. founded D. reinterpreted

II. Grammar (20%)

11. African swine fever (ASF) is a highly contagious haemorrhagic viral disease of domestic and wild pigs, _____ serious economic and production losses.

- A. having responsibility for
- B. being responsible for
- C. that are responsible for
- D. which is responsible for

12. _____ the Aurelia Aurita, the most common and widely recognized jellyfish species, has venom, it is harmless to humans — it's even a popular dish in China!

- A. Since
- B. Though
- C. Moreover
- D. Because

13. Nearly all the brown bears in the United States live in Alaska, which has _____ 30,000 to 40, 000 brown bears, also called grizzlies.

- A. an estimate
- B. an estimating
- C. an estimated
- D. estimating as

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14. The waters of the Chesapeake Bay have been enriched with organic materials and nutrients from waste products and fertilizers _____ heavy human settlement around the Bay.

- A. apart from
- B. given that
- C. due to
- D. more so

15. Stephen Hawking, _____ for his groundbreaking work with black holes and relativity, was the author of several popular science books including A Brief History of Time.

- A. a scientist best known
- B. a scientist was best known
- C. was the best known scientist
- D. whose best known

16. As researchers develop _____ even a decade ago — to edit our genes, predict our risk of disease, even shape the biomedical future of our children — individuals and societies must think critically about the implications.

- A. tools not imagined
- B. tools without being imagined
- C. tools not having imagined
- D. tools not been imagined

17. Cindy's company has unveiled its new desktop computer design, _____ all disk drives and processors into a flat display less than one inch thick.

- A. which integrates
- B. integrates
- C. is integrating
- D. whether integrates

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18. Despite funding cuts and the need to educate the public on _____ in the most expensive scientific instrument ever made, Nell Corporation laid the foundation that eventually made NASA's vision of the ultimate space-based observatory a reality.

- A. how should it invest
- B. what is the investment
- C. which it should invest
- D. why it should invest

19. By focusing on its intricacies but also taking in larger issues of general interest, the broad scope of Kriesi's study will appeal to all _____ in contemporary European politics and democratic systems.

- A. whose interests
- B. those interested
- C. whom interested
- D. who is interesting

20. Now a growing body of research is linking untreated hearing loss to several costly ills, and the time has come for hearing protection and treatment of hearing loss _____ much more seriously.

- A. takes
- B. to be taken
- C. to be taking
- D. being taking

III. Cloze Test (20%)

Passage A

Our personalities shape our social styles. Extroverts are the people who will add life to your dinner party and laugh generously at your jokes. They __21__ be assertive, dominant, and in great need of company. Extroverts think out loud and on their feet; they prefer talking to listening, rarely find themselves __22__ for words, and occasionally blurt out things they never meant to say. They're comfortable with conflict, but not with solitude.

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Introverts, __23__, may have strong social skills and enjoy parties and business meetings, but after a while wish they were home in their pajamas. They prefer to devote their social energies to close friends, colleagues, and family. They listen more than they talk, think before they speak, and often feel __24__ they express themselves better in writing than in conversation. They tend to dislike conflict. Many have a __25__ of small talk, but enjoy deep discussions.

- | | | | |
|--------------------|----------------|------------------|-------------------|
| 21. A. agree to | B. refuse to | C. tend to | D. profess to |
| 22. A. at any cost | B. at a loss | C. at a distance | D. at first price |
| 23. A. in contrast | B. in addition | C. in particular | D. in summary |
| 24. A. as yet | B. as still | C. as of | D. as if |
| 25. A. horror | B. sneer | C. niche | D. sight |

Passage B

I believe in dieting for the sake of my health. But I pity the people who don't touch sweets at all. Their reason is that sweets are rich in calories and __26__ to weight gain. Recent research tells us that the simple pleasures we get from life help us __27__ our immune system. For example, the taste of chocolate and a piece of candy can help make us feel happy, which in turn works for our good. These simple pleasures not only help us feel happy, they also protect us from common __28__ such as colds and the flu. For me, life without sweets is simply __29__. I enjoy a cup of hot chocolate once in a while. I drink it slowly to fully appreciate the good taste, the smell and the wonderful feeling of satisfaction I get. I eat a piece of chocolate cake occasionally, and I have chocolate ice cream from time to time. Of course I know I have to watch my weight. The secret is that I don't __30__ in sweets. I have remained fit throughout my life and I have always enjoyed the simple pleasure of chocolate.

- | | | | |
|---------------------|-----------------|-----------------|-----------------|
| 26. A. distribute | B. attribute | C. contribute | D. assimilate |
| 27. A. heighten | B. weaken | C. lengthen | D. strengthen |
| 28. A. achievements | B. elements | C. ailments | D. developments |
| 29. A. unnecessary | B. unacceptable | C. unaffordable | D. unimportant |
| 30. A. overindulge | B. overstate | C. overqualify | D. overwrite |

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IV. Reading Comprehension (40%)

Passage A

Artificial intelligence (AI) is considered by many to be the final frontier of computing. And environmentalists and tech companies are now harnessing the power of AI to serve the environment.

Microsoft announced that it is expanding its AI for Earth program and committing \$50 million over the next five years to put AI technologies in the hands of individuals and organizations working to solve global environmental challenges, including climate change as well as water, agriculture and biodiversity issues.

California's One Concern is using AI technology to identify and mitigate future risk stemming from natural disasters. In 2017, natural disasters caused a record-breaking \$ 300 million in damage in the U.S. alone. One Concern's platform can predict the impacts of climate change-driven events and disasters such as earthquakes, floods, and fires at a high degree of resolution and accuracy, so that communities can better prepare and respond. Damage from an earthquake can be predicted with 85% accuracy within 15 minutes, and flood damage is predicted days ahead of storm.

Lastly, whale field research is being revolutionized by AI and drone technologies. "SnotBot," which doesn't exactly sound sophisticated, uses drones which allow a vastly different approach to whale research, flying well above the surface of the water where the whales are never touched or approached closely. SnotBots hover above a surfacing whale and collect the blow (or snot) exhaled from its lungs, then return back to researchers about a half mile away. Blow samples reveal a vast amount of biological data, including stress hormones and environmental toxins.

"It's not just all about Silicon Valley building cool Silicon Valley things," says Parley's Ian Kerr, who manages the SnotBot program. "It's how AI could actually help us save the planet and solve scientific mysteries."

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31. Which environmental challenges AI for Earth program invested by Microsoft will **NOT** focus on?

- A. particulate matter
- B. climate change
- C. biodiversity issues
- D. water issues

32. Which one is **TRUE** about California's One Concern?

- A. Volcano activity notice can be updated daily.
- B. The predictions can help people better prepare for the natural disasters.
- C. Severe weather telephone consultation can be available all day long.
- D. Storm alerts will be sent out via email or fax 2-6 hours in advance.

33. How is SnotBot used for the whale research?

- A. Snotbot collects whales' bubbles when they swim in circles.
- B. Drones are used to collect data about whales without having to get researchers near the animals.
- C. The vibration of a whale's blowing hole is collected when a whale is under the water.
- D. Whales' sounds are collected as data when they produce sounds through their larynx.

34. How does Parley's Ian Kerr feel about SnotBot program?

- A. SnotBot program is an inept gadget.
- B. SnotBot program is a cool entertainment.
- C. SnotBot program yields the beneficial effects.
- D. SnotBot program is detrimental to whales.

35. What is the best title for this article?

- A. Roles of artificial intelligence in education
- B. The top myths about advanced artificial intelligence
- C. Building your own artificial intelligence personal assistant
- D. Use of artificial intelligence to fight climate change

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Passage B

Caring for a loved one who needs help with everything from getting dressed to going to the doctor can be a challenge. But for family caregivers who also work at another job, the strain can force **them** to cut back their hours or even quit their jobs.

State legislatures from Hawaii to New York are stepping up to help employed caregivers with measures that provide some financial relief and workplace flexibility. In Hawaii, the Kupuna Caregivers Assistance Act went into effect last month. Kupuna in Hawaiian means an elder, grandparent or an older person held in high esteem. The groundbreaking measure provides up to \$70 a day worth of services for a caregiver who assists a loved one over age 60 and is employed at another job for least 30 hours a week. The money goes directly to providers of services, such as respite care, adult day care, home-delivered meals, homemaker services, personal assistance, or transportation. Recipients cannot be living in a long-term care facility or receiving comparable help from a government program.

Many other states are focusing on workplace flexibilities and tax breaks to give family caregivers a hand. Washington, California, Rhode Island, New Jersey, New York and the District of Columbia have passed laws that require employers to provide paid family leave for employees who need time off to care for sick or disabled family members or a new child.

36. What is the purpose of this article?

- A. to explain different formats of long-term care and types of caregivers
- B. to compare and contrast different types of home-based long-term care service
- C. to describe what a good quality of life with long-term care will be
- D. to inform what different states are doing to ease financial burden on caregivers

37. What does **them** refer to in the first paragraph?

- A. doctors
- B. caregivers
- C. homemakers
- D. infants

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38. Who is eligible to apply for the measure under the Act?

- A. Harrison, whose wife is 40 years old, works as a full-time nurse.
- B. Lydia, whose daughter is 7 years old, is currently a housewife.
- C. Timothy, whose father is 80 years old, works as a full-term accountant
- D. Susan, whose mom is 75 years old, is currently a housewife.

39. What kind of flexibility is provided for employees who take care of their family in New York?

- A. paid family leave
- B. free transportation
- C. long-term care insurance
- D. home-delivered meals

40. Which statement is **TRUE** about the word “Kupuna”?

- A. It's Hindi.
- B. It refers to an old person.
- C. It indicates despising.
- D. It means priests.

Passage C

When Franklin D. Roosevelt was elected President of the United States in 1932, not only the United States but also the rest of the world was in the throes of an economic depression. Following the termination of World War I, Britain and the United States at first experienced a boom in industry. Called the Roaring Twenties, the 1920s ushered in a number of things – prosperity, greater equality for women in the work world, rising consumption, and easy credit. The outlook for American Business was rosy.

October 1929 was a month that had catastrophic economic reverberations worldwide. The American stock market witnessed the “Great Crash,” as it is called, and the temporary boom in the American economy came to a standstill. Stock prices sank, and panic spread. The ensuing unemployment figure soared to 12 million by 1932.

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Germany in the postwar years suffered from extreme deprivation because of onerous reparations it was obliged to pay to the Allies. The country's industrial capacity had been greatly diminished by the war. Inflation, political instability, and high unemployment were factors conducive to the growth of the embryonic Nazi party. Germans had lost confidence in their old leaders and heralded the arrival of a messiah-like figure who would lead them out of their economic wilderness. Hitler promised jobs and, once elected, kept his promise by providing employment in the party, in the newly expanded army, and in munitions factories.

Roosevelt was elected because he promised a "New Deal" to lift the United States out of the doldrums of the depression. Following the principles advocated by Keynes, a British economist, Roosevelt mustered the spending capacities of the federal government to provide welfare, work and agricultural aid to the millions of down-and-out Americans. Elected President for four terms because of his innovative policies, Roosevelt succeeded in dragging the nation out of the Depression before the outbreak of World War II.

41. A good title for this passage would be _____.

- A. The Twenties
- C. The End of World War I
- B. The Great Crash
- D. The Depression

42. The 1920s were called the Roaring Twenties because _____.

- A. social and economic affairs were prospering
- B. women were advancing in the fight for equal rights
- C. there was little unemployment
- D. people were celebrating the end of World War I

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43. The “Great Crash” refers to _____.
A. the end of World War I
B. the Great Depression
C. a slump in the stock market
D. high unemployment figures
44. You can infer that the author of this passage _____.
A. thinks the Depression could have been avoided
B. blames the Depression on the “Great Crash”
C. thinks that the appeal of Roosevelt and Hitler was similar
D. disapproves of Roosevelt’s “New Deal”
45. Both Roosevelt and Hitler were successful in their bids for leadership because _____.
A. they had eccentric leadership qualities
B. their nations needed innovative economic policies
C. their nations had experienced an economic boom
D. the governments had regained spending capacities

Passage D

The importance of an interview cannot be overemphasized. Your being admitted into a good university, or landing the job you want, depends on how you perform during the interview. It is no exaggeration to say that the interview is a matter of life and death.

Since you will be interviewed sooner or later, it is good common sense to be prepared. To begin with, observe the formalities, including dressing according to the code. Men should wear a dark suit and a tie, preferably a subdued one. Women should avoid sleeveless blouses. The formalities also include being on time. It is important to arrive early. The interviewer may finish an interview earlier and wish to talk with you sooner, so make sure you are available. Not being on time shows disrespect, both to the interviewer and to your future job. Therefore, it is to be avoided at all costs. Excuses such as being caught in a traffic jam or even plausible reasons won’t be

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accepted.

Second, do research. Find out as much about your prospective employer as you can. This will impress your interviewer and give you an edge over other candidates. More importantly, you can ask the interviewer relevant questions about your future job, as this will help you find out whether the job is really the one you want.

Finally, be honest but do not criticize your previous employer, if you have one. If you criticize your previous employer, you give the impression that you are likely to criticize your future employer as well.

46. What does “cannot be overemphasized” mean?

- A. It means that you should avoid emphasizing something too much.
- B. It means that it is impossible to emphasize something.
- C. It means that overemphasizing is not good.
- D. It means that something is extremely important.

47. What does the author mean by saying that an interview is a matter of life and death?

- A. The author overemphasized the importance of interviews.
- B. The author is emphasizing the importance of interviews.
- C. The author thinks your life depends on the interview.
- D. The author thinks your chance of landing the job has nothing to do with the interview.

48. What can an interviewee do to avoid being late?

- A. He/She can take the subway.
- B. He/She can leave early.
- C. He/She can allow plenty of time for traffic.
- D. All of the above.

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49. What is the purpose of this passage?

- A. To evaluate.
- B. To advise.
- C. To inform.
- D. To entertain.

50. What is NOT included in the above passage?

- A. What you should ask during an interview.
- B. Why being on time is important.
- C. How to dress for the interview.
- D. What you should do before the interview.