

國立中正大學 107 學年度碩士班招生考試試題

共同科目：英文

第 4 節

第 1 頁，共 5 頁

作答說明：本測驗共四大部分，共 50 題，每題 2 分，試題皆為單一選擇題，請選出一個正確或最適當的答案，答錯不倒扣。答案需依題號順序清楚填答在答案卷。考完後將「答案卷」及「試題卷」一併繳回。

第一部分：單字(每題 2 分) 30%

- 1 Mark Zuckerberg, Facebook's chief, is testing a software that will put children in ____ of their own learning, recasting their teachers as facilitators and mentors.
(A) responsible
(B) place
(C) charge
(D) lead
- 2 In just a few years, technology giants have begun remaking the very nature of schooling on a vast scale, ____ secondary schools nationwide.
(A) impacting
(B) ranging
(C) limiting
(D) impressing
- 3 Some tech teachers believe that applying an engineering mindset can improve about any system, and that these tech giants' business insights ____ them to rethink the country's education.
(A) embrace
(B) enable
(C) enrich
(D) enhance
- 4 Given the changes in innovations with artificial intelligence and automation, some tech leaders are experimenting different models to find out which can ____ better results.
(A) establish
(B) apply
(C) cause
(D) yield
- 5 About a decade ago, when Amazon introduced its first e-reader, publishers ____ that digital books would take over the industry, the way digital transformed the music industry. And for a while, that fear seemed totally justified.
(A) captured
(B) concerned
(C) panicked
(D) prohibited
- 6 Social media has had an ____ impact on publishing, as it has on all corners of the media industry. It has definitely become a new way for readers to connect with authors and discover books.
(A) sustainable
(B) enormous
(C) radical
(D) ingenious
- 7 Some investors, however, see plenty of ____ in the center of the U.S. In fact, focusing on the Midwest is no longer considered a crazy idea.
(A) potential
(B) challenge
(C) mission
(D) vision
- 8 A new study found that children who had attended one year of "academic-oriented preschool" ____ peers who had attended less academic-focused preschools in literacy and math.
(A) proceeded
(B) oppressed
(C) bullied
(D) outperformed
- 9 Dynamic pricing of electricity could help bring down pollution, ____ energy costs, and make renewable energy more viable.
(A) reduce
(B) decline
(C) relieve
(D) drop
- 10 Constantly adjusting prices for ____ to highways and congested downtowns could make traffic jams a thing of the past.
(A) track
(B) approach
(C) entrance
(D) access

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- 11 Any sector where supplies tend to be fixed but _____ fluctuates, such as the water supply and health care, would seem like prime candidates for variable pricing.
(A) claim
(B) order
(C) demand
(D) appeal
- 12 The Italian Ministry of Education has launched a project to teach students how to _____ themselves against fake news on the Internet.
(A) defend
(B) restrain
(C) capture
(D) forbid
- 13 Italy is not alone in trying to find a way to _____ with the global spread of fake news that has caused public confusion.
(A) handle
(B) deal
(C) associate
(D) react
- 14 In the Internet's global marketplace, silent videos are the ones that can _____ language barriers, instantly understandable to viewers around the world.
(A) transcend
(B) dismiss
(C) translate
(D) discharge
- 15 A recent study in the U.K. suggests that the spread of Black Death in Medieval Europe was largely a result of human fleas and body lice rather than rats. So, to prevent future outbreaks, _____ is most important.
(A) operation
(B) coverage
(C) remedy
(D) hygiene

第二部分：綜合測驗(每題 2 分) 40%

Developers of the latest 'smart-home' technology are certain that users want gadgets that could, say, allow a peek inside the fridge when they're at the grocery store and can't remember if they need milk. These digital facilities are turning up across the New York area in apartments and townhouses, (16) _____ users may have to pay more. Yet, to not plug in, developers say, would be to (17) _____ on cutting-edge features such as an all-in-one furniture system (18) _____ to save space by expanding or contracting with a switch. At night, users can slide out a hidden bed, by (19) manually _____ a switch or through voice-assistant software. In the morning, the bed can retract inside a wall, (20) _____ room for entertaining.

- 16 (A) even if
(B) because
(C) despite
(D) whether or not
- 17 (A) turn off
(B) wash away
(C) lose out
(D) close down
- 18 (A) designing
(B) for designing
(C) designed
(D) as designed
- 19 (A) automatizing
(B) computerizing
(C) pouring
(D) pressing
- 20 (A) making
(B) giving
(C) saving
(D) opening

Experts reveal realities of post-holiday depression and how to cope with going back to work. The feeling of waking up (21) _____ an alarm clock may feel like distant memories this week as many people in western cultures return to work after the holidays. Experts in career counselling, life coaching and stress management have (22) _____ the best ways to beat the back-to-work blues, while also (23) _____ that post-holiday depression may point to something more serious. Simple things (24) _____ cleaning your desk or starting to plan your next holiday could help to (25) _____ a positive mindset once you were back at work.

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- 21 (A) over
(B) upon
(C) by means of
(D) without
- 22 (A) exposed
(B) revealed
(C) concealed
(D) disguised
- 23 (A) warning
(B) disturbing
(C) updating
(D) separating
- 24 (A) by means of
(B) such as
(C) for
(D) alike
- 25 (A) inspire
(B) improve
(C) create
(D) alter

The way we're working isn't working. Even if we're lucky enough to have a job, we're probably not very excited to get to the office in the morning, we don't feel much (26) _____ while you're there, we find it difficult (27) _____ our most important work (28) _____, and we don't believe that what we're doing (29) _____ much of a difference anyway. By the time we get home, we're pretty much running on empty, and yet still answering emails (30) _____ we fall asleep.

- 26 (A) honored
(B) done
(C) appreciated
(D) awarded
- 27 (A) to get
(B) getting
(C) got
(D) have got
- 28 (A) endowed
(B) consumed
(C) donated
(D) accomplished
- 29 (A) manages
(B) marks
(C) makes
(D) causes
- 30 (A) by
(B) until
(C) as
(D) for

An alert, warning of an imminent ballistic missile strike, caused widespread panic and fear in Hawaii on Saturday. Thankfully it turned out to be a false alarm - but the second message, (31) _____ this, took 38 minutes to arrive. The alert came amid growing (32) _____ over North Korea's missile and nuclear program. Hawaii is the closest US state (33) _____ North Korea. In December, the state tested its nuclear warning siren for the first time (34) _____ the end of the Cold War. State Governor apologized to Hawaiians, saying an employee had pressed the wrong button. The US government has announced a full (35) _____.

- 31 (A) sanctioning
(B) authorizing
(C) confirming
(D) approving
- 32 (A) testimonial
(B) concern
(C) consent
(D) apprehension
- 33 (A) to
(B) from
(C) by
(D) in

- 34 (A) before
(B) since
(C) next
(D) once
- 35 (A) disapproval
(B) demand
(C) investigation
(D) exploration

第三部分：閱讀理解(每題 2 分) 20%

Looking for a cheap and green alternative to the cleaning products on supermarket shelves?

Plenty of people swear by vinegar. It's certainly inexpensive, non-toxic and biodegradable and has been used as a common disinfectant for thousands of years. But especially if you want to clean your kitchen or your bathroom, you might be wondering about household germs. Yes. It's not as effective as commercial cleaners — but it's still a useful disinfectant.

How does it work? Vinegar is about 5 per cent acetic acid, which kills bacteria and viruses, by destroying their cell structures. Researchers discovered that vinegar killed a range of household pathogens. Science also tells us that vinegar will kill off the flu virus, by rapidly inactivating the flu virus. More recently, researchers found that vinegar efficiently killed the bacteria that causes tuberculosis. Professor Collignon, an infectious diseases physician, says, "TB is a hard-to-kill bacteria, so the fact that it works against **them** means most other bacteria will likely be killed by vinegar as well." Indeed, it could even be an effective and **economical** solution to laboratories and hospital settings in resource-poor countries.

pathogens 病原體 acetic acid 醋酸 tuberculosis 肺結核

- 36 What is the purpose of the passage?
(A) To describe a process of making vinegar.
(B) To explain the uses of vinegar.
(C) To argue why vinegar can kill germs.
(D) To show how to kill household germs.
- 37 Which of the followings is NOT true about vinegar?
(A) It is cheap.
(B) It is not toxic.
(C) It is biodegradable.
(D) It is not an disinfectant.
- 38 What does the word "**economical**" mean?
(A) Realistic.
(B) Efficient.
(C) Current.
(D) Inexpensive.
- 39 What does "**them**" refer to?
(A) Bacteria.
(B) Laboratories.
(C) Tuberculosis.
(D) Researchers.
- 40 What is the best title for the passage?
(A) An effective bacteria-killing system.
(B) Does vinegar really kill household germs?
(C) How can we fight against infectious diseases?
(D) Why vinegar can kill flu virus.

In Bulgaria, yoghurt is everywhere. It is the basis of traditional Bulgarian dishes. Yoghurt has a long history in this country. Indeed, the Balkans is one of the many places in the world which has the specific bacteria and temperature ranges needed to naturally produce yoghurt." Wherever it was discovered, what we do know is that Bulgaria played a vital role in introducing yoghurt to the West and turning it into the popular, commercial product we know today.

When we think of yoghurt now, we think of Turkish, Greek or even Icelandic yoghurt. But in the 1920s and '30s, Bulgarian yoghurt was **in vogue**. But this new demand for Bulgarian yoghurt fundamentally changed the product. Within Bulgaria, although many people continued the tradition of making yoghurt at home, the state takeover of the dairy industry in 1949 led to further changes. Yoghurt became a national icon. But since yoghurt was made in different Bulgarian regions and households, the state had to create one 'authentic' Bulgarian yoghurt.

- 41 What is the passage mainly about?
(A) Yoghurt in different Bulgarian regions
(B) How to make yoghurt popular, commercial product.
(C) Why yoghurt became popular.
(D) Bulgarian yoghurt.

- 42 What is needed to naturally produce yoghurt, according to the passage?
- (A) Equipment and measures.
(B) Warm weather and a traditional method
(C) Specific bacteria and temperature ranges.
(D) State takeover and dairy industry.
- 43 What does the phrase “in vogue” mean?
- (A) extensive
(B) rare
(C) trendy
(D) dominant
- 44 What did the new demand for Bulgarian yoghurt lead to?
- (A) Yoghurt became an international product.
(B) Yoghurt became a national image.
(C) Yoghurt became more authentic.
(D) Yoghurt became a commercial product.
- 45 Why is yoghurt important in Bulgaria?
- (A) It is a traditional product sold to other countries.
(B) It makes an essential part of Bulgarian dishes.
(C) It creates a big market in other countries.
(D) It is profitable to produce home-made yoghurt.

第四部分：英文寫作概念(每題 2 分) 10%

- 46 Choose ONE grammatically correct sentence.
- (A) The company remained silent about the faults of its products for more than a week.
(B) A computer company said that because there is one major flaw in nearly all chips.
(C) The most recent product do not attract enough customers in the neighborhood.
(D) The fire in the company caused a huge damage and many people lose their lives.
- 47 Choose ONE grammatically correct sentence.
- (A) That a brain injury, can lead to a change of personality proved by the academy.
(B) Understanding the rules of the school, the mother waited outside for her girl.
(C) Angry, the window of the living room was broken into pieces all around.
(D) With a sigh of anger, the broken cups were put back to the shelves.
- 48 Which sentence is the best “topic sentence” for the following paragraph?
- _____ . She is bald with a silver back. She was invited to TV shows and became a citizen in Saudi Arabia. In fact, Sophia is a robot being able to have interactions with human being. She can throw questions and carry on a conversation in different topics. Dr. David Hanson, the creator of Sophia, is convinced that robots will the ability to think and make judgement. Hanson is confident that Sophia’s intelligence will resemble to that of a five-year-old by 2025. Sophia is definitely a revolution of artificial intelligence.”
- (A) Sophia has an eye-catching appearance as a robot.
(B) Sophia can make responds and commands if necessary.
(C) Sophia is a wonder of the modern society.
(D) Sophia surprises people by having different emotions.
- 49 Which sentence is the best “topic sentence” for the following paragraph?
- _____ . For example, when we see someone gets hurt, we will also feel the same pain. On the other hand, when we know someone has an emotional breakdown, we may also find a similar connection with him or her. It is proved that our feelings influence our behaviors. If we are in a bad mood or we have just watched a negative movie, we will show less empathy to those in need. Scientists have found that “empathic distress” reduces happy factors in our brain. Because of this, we spend less time on others and focus more on ourselves.
- (A) People have the ability to share the feelings with each other.
(B) Our brains know how to tell the differences between a happy or sad mood.
(C) Empathic distress is the key to know if someone is focused or not.
(D) The connections of people affect the interpersonal relationship.
- 50 Which sentence is the best “topic sentence” for the following paragraph?
- “_____ . People with a specially-made headset work out in a “black box”. They can control the intensity of the exercise by pushing buttons from the VR controller. They can also compete against others from simulated fight scenes in sports games. This VR system has created a safe environment to prevent injuries during exercises. The concept of getting fit in anywhere at any time can be practiced by using VR. VR has definitely changed the way people exercise.”
- (A) It is of great importance to create virtual reality systems to promote fitness training for adults.
(B) Using a black box in virtual reality training has made the exercises less dangerous.
(C) A virtual reality company has developed a cutting-age system for gym users.
(D) People find it interesting to have regular exercises at the gym by using virtual reality equipment.