

科目：英文

適用：諮人系(輔導與諮商碩士班)

考生注意：

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2.限用 2B 鉛筆作答；試題須隨卷繳回。

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**PART I: Multiple Choice (70%; Each question is 2%)****A. Grammar:**

1. The expertise that enables one individual to start a successful life is normally gained \_\_\_\_\_ four years of enthusiastic working in one's university life. Some learn it from the courses they've taken, whilst some learn it from extra-curriculum activities.  
A. regarding B. alone C. when D. through
2. Many enterprises in Taiwan increasingly keep their employees \_\_\_\_\_ by administrating regular performance evaluations and providing annual bonuses. Some can even earn stock shares with remarkable working performance.  
A. production B. produce C. productively D. productive
3. The dissertation should \_\_\_\_\_ to the board members at least two months before the Oral Exam, so that the examiners would have enough time to read and comment the thesis.  
A. be submitting B. be submitted C. to submit D. have submitted
4. To avoid incurring a budget defect, the finance team \_\_\_\_\_ expenses that it considered inessential.  
A. trim B. trimming C. trimmed D. was trimmed
5. \_\_\_\_\_ the sudden collapse of the company, hundreds of employees found themselves without jobs.  
A. As B. While C. However D. Because of
6. A substantial sum of money has just been \_\_\_\_\_ from the firm's bank account to pay for the construction of the new facility. The investment is now the spot light of 2020.  
A. withdrew B. withdrawal C. withdrawn D. withdraw
7. If you \_\_\_\_\_ difficulties when completing the customs declaration from later, please contact our flight attendant for assistance. Thank you.  
A. had encountered B. encounter C. were encountered D. encountering
8. Whether the public will react friendly to same-sex marriage which was legalized in 2019 remains \_\_\_\_\_ seen.  
A. to be B. be C. had been D. been
9. Despite \_\_\_\_\_ more employees for the factory, the production manager still believes the company is understaffed. This has resulted an unbalanced overheads this year.

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- A. having hired B. have hired C. hired D. were hired
10. The principal is looking forward to meeting with the department heads and to \_\_\_\_\_ any issues that have arisen in the past semester.  
A. resolve B. resolving C. have resolved D. be resolving
- B. Vocabulary:**
11. For information on flight schedules, passengers should \_\_\_\_\_ displays located throughout the departure area of the terminal.  
A. browse B. consult C. pursue D. inform
12. Disagreement between the branch managers \_\_\_\_\_ when the company began implementing measures to consolidate the overseas offices.  
A. disclosed B. emerged C. acted D. occupied
13. Your Netflix membership may be \_\_\_\_\_ at your convenience simply by sending in a cancellation request by email.  
A. terminated B. exterminated C. fabricated D. practiced
14. To \_\_\_\_\_ the economic problems experienced by recent immigrants, the government has established a program to provide financial support for housing and education.  
A. alleviate B. assist C. deteriorate D. implement
15. A sizable reports \_\_\_\_\_ that intensive playing of video games may not only result fatigue, but also interfere with one's school performance.  
A. inspect B. interact C. indicate D. invoke
16. According to the contract, it is the landlord's \_\_\_\_\_ to cover costs for any structural repairs made to the facility during the period of lease.  
A. legality B. obligation C. consideration D. permission
17. Recent \_\_\_\_\_ in the field of genetics have provide doctors with possibilities to testify a variety of hereditary health conditions.  
A. figures B. developments C. repetitions D. decisions
18. The deadline for submission of \_\_\_\_\_ for the new English graduation threshold has been extended to the end of this semester as it is getting rather controversial.  
A. objectives B. counsels C. signals D. proposals
19. ER doctors are usually required to work under \_\_\_\_\_ conditions continuously.  
A. conceivable B. strenuous C. pleasurable D. restless

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20. To prevent hacking, customers of the online bookstore are normally required to provide an \_\_\_\_\_ email address in case one account is compromised.  
A. improvisational B. occasional C. intentional D. additional
21. An elevator was installed in the building to make all floors \_\_\_\_\_ to those in wheelchairs.  
A. extendable B. accomplished C. comprehensive D. accessible
22. Smart phone users who \_\_\_\_\_ play mobile games should take advantage of the new plan being offered by the telecom carrier.  
A. absolutely B. ultimately C. methodically D. frequently
23. The number of university enrollment has declined \_\_\_\_\_ these years because of the lower birth rate and incredibly enormous number of universities. Many of the university may be closed in the recent decades.  
A. aggressively B. intentionally C. fortunately D. dramatically
24. The difficulty scale of the final exam is \_\_\_\_\_ on how much students have learned throughout the term.  
A. contingent B. gradual C. inferior D. connected
25. Please note that the public parking lots are not \_\_\_\_\_ for your personal possessions, you should have confirmed that your car is locked after parking.  
A. desirable B. responsible C. agreeable D. optimistic
26. The students were \_\_\_\_\_ of professors' lecture on the AI as it demonstrated a rather compressive connection on how much it will affect our future as well as the threaten it will come up with.  
A. understood B. appreciative C. exhausted D. assured
27. In Taiwan it is \_\_\_\_\_ for male citizens to do the military service. For many people it is a symbol of growing up.  
A. compulsory B. subject C. uncovered D. interior
28. Whitney Houston passed \_\_\_\_\_ in 2012, which was a great loss of POP music. Her voice will never be forgotten by her fans all over the world.  
A. over B. away C. up D. by
29. Mom went to the hospital for her annual \_\_\_\_\_. It is quite crucial for elder people to do so as some illness are not easy to be found from outside appearance.  
A. turn off B. look through C. check up D. witch over

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30. The idea of subconscious was firstly \_\_\_\_\_ by German psychologist Edmund Freud who believes human's behavioral reaction is actually manipulated by a very inner ego.  
A. coined B. evaluated C. restored D. recalled
31. The marketing department conducted a survey of workshop participants. Which of the following word is closest to the underlined word?  
A. admission B. catalogs C. information D. research
32. Women's Department in Nike earned over ten billion dollars globally last year. This sales number indicates that women's purchasing power is rising. Which of the following word is NOT suitable to replace the underline word?  
A. shows B. expresses C. chooses D. demonstrates
33. The manufacturer has decided to decrease production of electric applications. Which of the following words does not share the same meaning with the underlined word?  
A. minimize B. reduce C. shrink D. notify
34. Big to huge is control to \_\_\_\_\_.  
A. manipulate B. enroll C. express D. connect
35. advise to recommend is delay to \_\_\_\_\_.  
A. cancel B. postpone C. organize D. apply

**PART II: Reading Comprehension (30%; each question is 3%)**

**The robots are coming - or are they?**

*What is the current state of play in Artificial Intelligence?*

- A. Can robots advance so far that they become the ultimate threat to our existence? Some scientists say no, and dismiss the very idea of Artificial Intelligence. The human brain, they argue, is the most complicated system ever created, and any machine designed to reproduce human thought is bound to fail. Physicist Roger Penrose of Oxford University and others believe that machines are physically incapable of human thought. Colin McGinn of Rutgers University backs this up when he says that Artificial Intelligence 'is like sheep trying to do complicated psychoanalysis. They just don't have the conceptual equipment they need in their limited brains.'

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**B.** Artificial Intelligence, or AI, is different from most technologies in that scientists still understand very little about how intelligence works. Physicists have a good understanding of Newtonian mechanics and the quantum theory of atoms and molecules, whereas the basic laws of intelligence remain a mystery. But a sizeable number of mathematicians and computer scientists, who are specialists in the area, are optimistic about the possibilities. To them it is only a matter of time before a thinking machine walks out of the laboratory. Over the years, various problems have impeded all efforts to create robots. To attack these difficulties, researchers tried to use the 'top-down approach', using a computer in an attempt to program all the essential rules onto a single disc. By inserting this into a machine, it would then become self-aware and attain a human-like intelligence.

**C.** In the 1950s and 1960s great progress was made, but the shortcomings of these prototype robots soon became clear. They were huge and took hours to navigate across a room. Meanwhile, a fruit fly, with a brain containing only a fraction of the computing power, can effortlessly navigate in three dimensions. Our brains, like the fruit fly's, unconsciously recognise what we see by performing countless calculations. This unconscious awareness of patterns is exactly what computers are missing. The second problem is robots' lack of common sense. Humans know that water is wet and that mothers are older than their daughters. But there is no mathematics that can express these truths. Children learn the intuitive laws of biology and physics by interacting with the real world. Robots know only what has been programmed into them.

**D.** Because of the limitations of the top-down approach to Artificial Intelligence, attempts have been made to use a 'bottom-up' approach instead - that is, to try to imitate evolution and the way a baby learns. Rodney Brooks was the director of MIT's Artificial Intelligence laboratory, famous for its lumbering 'top-down' walking robots. He changed the course of research when he explored the unorthodox idea of tiny 'insectoid' robots that learned to walk by bumping into things instead of computing mathematically the precise position of their feet. Today many of the descendants of Brooks' insectoid boots are on Mars gathering data for NASA (the National Aeronautics and Space Administration), running across the dusty landscape of the planet. For all their successes, in mimicking the behaviour of insects, however, robots

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using neural networks have performed miserably when their programmers have tried to duplicate in them the behaviour of higher organisms such as mammals. MIT's Marvin Minsky summarises the problems of AI: 'The history of AI is sort of funny because the first real accomplishment were beautiful things, like a machine that could do well in a maths course. But then we started to try to make machines that could answer questions about simple children's stories. There's no machine today that can do that.'

E. There are people who believe that eventually there will be a combination between the top-down and bottom-up, which may provide the key to Artificial Intelligence. As adults, we blend the two approaches. It has been suggested that our emotions represent the quality that most distinguishes us as human, that it is impossible for machines ever to have emotions. Computer expert Hans Moravec thinks that in the future robots will be programmed with emotions such as fear to protect themselves so that they can signal to humans when their batteries are running low, for example. Emotions are vital in decision-making. People who have suffered a certain kind of brain injury lose the ability to experience emotions and become unable to make decisions. Without emotions to guide them, they debate endlessly over their options. Moravec points out that as robots become more intelligent and are able to make choices, they could likewise become paralysed with indecision. To aid them, robots of the future might need to have emotions hardwired into their brains.

F. There is no universal consensus as to whether machines can be conscious, or even, in human terms, what consciousness means. Minsky suggests the thinking process in our brain is not localised but spread out, with different centres competing with one another at any given time. Consciousness may then be viewed as a sequence of thoughts and images issuing from these different, smaller 'minds', each one competing for our attention. Robots might eventually attain a 'silicon consciousness'. Robots, in fact, might one day embody an architecture for thinking and processing information that is different from ours - but also indistinguishable. If that happens, the question of whether they really 'understand' becomes largely irrelevant. A robot that has perfect mastery of syntax, for all practical purposes, understands what is being said.

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36. Which of the following information is contained in section B?
- A. the possibility of creating Artificial Intelligence being doubted by some academics.
  - B. robots being able to benefit from their mistakes.
  - C. many researchers not being put off believing that Artificial Intelligence will eventually be developed.
  - D. no generally accepted agreement of what our brains do.
37. In Section C, which of the following statement is NOT true?
- A. robots not being able to extend their intelligence in the same way as humans.
  - B. an insect that proves the superiority of natural intelligence over Artificial Intelligence is dragon fly.
  - C. the 'top-down' approach enabled AI to do certain tasks but they were unable to recognize patterns.
  - D. Children learn things with opposite approaches from the AI.
38. In section C, and D, which of the following statement about "top-down" and "bottom-up" is TRUE?
- A. According to author, "top-down" is superior to "bottom-up".
  - B. One example of bottom up is that this approach can do math well
  - C. The approaches applied by babies and flies are the same
  - D. On the moon, robots with bottom up settings have helped NASA to gather useful information.

Match the person with correct statement from A-D

39. Colin McGinn: \_\_\_\_\_

40. Marvin Minsky: \_\_\_\_\_

41. Hans Moravec: \_\_\_\_\_

- A Artificial Intelligence may require something equivalent to feelings to succeed.
- B Different kinds of people use different parts of the brain.
- C Tests involving fiction have defeated Artificial Intelligence so far.
- D People have intellectual capacities which do not exist in computers.

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第 8 頁**Read the following paragraphs and answer the questions**

I've forwarded you a copy of your travel itinerary for your business trip to Japan. Please go over the details and notify of any needed changes. If the timetable is satisfactory, do confirm by replying to this email.

42. Why was the email written?
- A. To make sure the trip is fine.
  - B. To provide notice of an accommodation change
  - C. To ask for a schedule for a business trip
  - D. To request confirmation of trip plan

The National Aviation Authority (NAA) released a report yesterday which showed that the cost of domestic flights has increased by nearly 10% compared to last year. The report indicated that rising gas prices are only partially to blame. In reaction to negative feedback from passengers about "hidden fees" such as charges for baggage, fuel surcharges, and seat selection, many national carriers have returned to their previous pricing systems and are including such fee in their airfares. So although it appears that ticket price have gone up, the increase may not actually have much effect on passengers.

43. What is mainly discussed in the article?
- A. The effect of fuel cost on the airline industry
  - B. The reasons for rising price of service
  - C. The increase in passengers travelling domestically
  - D. The worries in relation to decreased passengers
44. This paragraph is most likely to appear in which of the following magazines?
- A. Environmentalist
  - B. Economist
  - C. Anthropologist
  - D. National Geography

Management would like to inform all tenants of Rockport Towers that the building will be implementing a new recycling system. New containers for recyclable materials are now available in the trash area



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behind Exit 2 on the ground floor of the building. Containers are available for glass, paper, and metal materials. There are also smaller containers provided for items such as used batteries and ink cartridges. We kindly ask that you dispose your items appropriately. Also, please ensure that all glass and metal containers do not have any liquids left inside. Thank you for your cooperation.

45. What is being announced?
- A. Guidelines for disposal
  - B. Procedures for moving trash
  - C. Policies for building employees
  - D. Regulation for accessing the new facilities

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