

112學年度 學士後醫學系招生考試

英文試題封面

考試開始鈴響前，請勿翻閱本試題！

★考試開始鈴響前，請注意：

- 一、除准考證、應考文具及一般手錶外；行動電話、穿戴式裝置及其他物品均須放在臨時置物區。
- 二、請務必確認行動電話已取出電池或關機，行動電話及手錶的鬧鈴功能必須關閉。
- 三、就座後，不可擅自離開座位或與其他考生交談。
- 四、坐定後，雙手離開桌面，確認座位號碼、答案卡號碼與准考證號碼相同，以及抽屜中、桌椅下或座位旁均無非考試必需用品。如有任何問題，請立即舉手反應。
- 五、考試開始鈴響前，不得翻閱試題本或作答。
- 六、考試全程不得吃東西、喝水及嚼食口香糖。
- 七、違反上述規定，依「筆試規則及違規處理辦法」議處。

★作答說明：

- 一、考試時間：80 分鐘。
- 二、本試題(含封面)共 11 頁，如有缺頁或毀損，應立即舉手請監試人員補發。
- 三、本試題單選題共 50 題、寫作 1 題，共計 90 分；每題單選題答錯倒扣，不作答不計分。
- 四、單選題答題依題號順序劃記在答案卡上，寫在試題本上無效；答案卡限用 2B 鉛筆劃記，若未按規定劃記，致電腦無法讀取者，考生自行負責。
- 五、寫作部分以「答案卷」作答，作答時不得使用鉛筆，違者該科答案卷不予計分；限用黑色或藍色墨水的筆書寫。
- 六、試題本必須與答案卡一併繳回，不得攜出試場。

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I. Vocabulary: 20 points

【單選題】每題 1 分，共 20 題，答錯 1 題倒扣 0.25 分，倒扣至本大題零分為止，未作答，不給分亦不扣分。

A. Please choose the word closest in meaning to each underlined word.

1. The presidential candidate involved in the corruption scandal is struggling to salvage his reputation.
(A) redeem (B) relapse (C) repel (D) revere (E) revoke
2. It was a latent variable with three elements: psychological wellbeing, life satisfaction, and satisfaction with the use of time.
(A) underdeveloped (B) underestimated (C) underlying
(D) undermining (E) undertaking
3. The decision to accept the job offer was met with ambivalence. The salary was attractive, but the working hours were long and inconvenient.
(A) disgrace (B) empathy (C) hesitancy (D) objection (E) resentment
4. The young heir lived a prodigal lifestyle, spending his vast inheritance on frivolous things and leaving him with nothing in the end.
(A) abandoned (B) extravagant (C) peripheral
(D) temporary (E) vulnerable
5. Despite a tight labor market, the earning power of Japanese workers has remained stagnant.
(A) aberrant (B) concomitant (C) dormant (D) mutant (E) nonchalant
6. The lawyer tried to obfuscate the facts of the case to confuse the jury and make it difficult for them to reach a verdict.
(A) articulate (B) elucidate (C) mollify (D) perplex (E) refurbish
7. The soporific effect of the old professor's lecture made it difficult for the students to stay awake. Many of them nodded off in class.
(A) abstruse (B) effervescent (C) garrulous (D) narcissistic (E) somnolent
8. Democracy can be regarded as a system designed to promote political equality, to placate the masses, and to look after their interests.
(A) berate (B) coddle (C) efface (D) pacify (E) tamper
9. Taiwan has a reputation as one of Asia's most progressive places, with a young demographic that has become increasingly more diverse and inclusive.
(A) diluted (B) disrupted (C) distorted (D) varied (E) verified

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10. Charlie fell in love with Janifer immediately after they met at the ball, but his younger sister tried to **dissuade** him from marrying her.

- (A) deter (B) detain (C) impel (D) propel (E) refrain

B. Please choose the best answer to complete each sentence.

11. To many beginners, the behavior of the stock market appears to be _____. They cannot predict its performance.

- (A) eclectic (B) eligible (C) erratic (D) erudite (E) evocative

12. The politician's speech was full of _____ language, making it difficult for the audience to understand his true intentions.

- (A) cryptic (B) fecund (C) lucid (D) solicitous (E) tonic

13. The company's profits reached their _____ during the recession. It took years of hard work and dedication to bring them back to their former levels.

- (A) apogee (B) nadir (C) pinnacle (D) summit (E) zenith

14. Although some schools are postponing new projects, others are forging ahead with plans to _____ programs that have long existed at some old national colleges.

- (A) elongate (B) elucidate (C) emigrate (D) emulate (E) evacuate

15. Despite his efforts to reconcile with his estranged cousin, the latter continued to make _____ remarks about him during family gatherings.

- (A) derogatory (B) gregarious (C) laudable (D) pedagogical (E) translucent

16. Many insurance companies are under pressure to increase premiums to stay _____.

- (A) benevolent (B) fraudulent (C) negligent (D) pertinent (E) solvent

17. Two South African universities conducted integrated classes, but the apartheid government was preparing legislation that would force them to _____.

- (A) safeguard (B) segregate (C) subtract (D) supplant (E) systemize

18. A seventy-year-old man was found dead after a landslide _____ a block of houses.

- (A) enacted (B) enchanted (C) engraved (D) engulfed (E) enlisted

19. An additional on-demand option lets clients make a one-time purchase of certain items in _____.

- (A) barge (B) barren (C) boom (D) bulge (E) bulk

20. The Midwest is known for rich, _____ topsoil good for growing crops, making agriculture a star industry in the region.

- (A) fertile (B) fictional (C) figurative (D) forged (E) fragile

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II. Grammar and Structure: 10 points

【單選題】每題 1 分，共 10 題，答錯 1 題倒扣 0.25 分，倒扣至本大題零分為止，未作答，不給分亦不扣分。

A. Please choose the best answer to complete each sentence.

21. My doctor suggested _____ taking a daily multivitamin to ensure I was getting all the necessary nutrients for optimal health.
(A) to start (B) for me to start (C) that I start
(D) that I started (E) that I had started
22. The fact that the company failed to meet its sales target is not surprising, _____ the fierce competition in the market and the economic downturn.
(A) be given (B) giving (C) to give (D) gave (E) given
23. We regret to announce that Mr. Wilson has resigned his position as Dean of International office, _____ next Monday.
(A) effecting (B) effect (C) effected (D) effective (E) effectiveness
24. The cake was baked by my grandmother, _____ her delicious desserts and culinary skills.
(A) who is known as (B) who is known for (C) that is known as
(D) that is known for (E) she is known as
25. The new movie theater, which was designed by a renowned architect, _____ to be completed by the end of this year.
(A) expected (B) expecting (C) is expected
(D) had expected (E) which is expected

B. For each sentence, please choose ONE underlined part that contains ungrammatical use of English.

26. Crop cultivation has been especially challenging due to climate change, ultimate resulting in either too much or too little water.
(A) (B) (C) (D) (E)
27. Growing up near an active volcano when he was young, he dedicated most of his time after school to projects distributed medical equipment to regional health networks for emergency preparation.
(A) (B) (C) (D) (E)

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28. The museum had founded in 1952 by a group of art enthusiasts, who believed that the city
(A) (B) (C)
needed a space dedicated to the appreciation and preservation of contemporary art. Since then,
(D)
it has been visited by millions of people from around the world.
(E)
29. Women lose sexual hormones such as estrogen when they undergo menopause, either naturally
(A) (B) (C)
through the body's decreased production or by removal of the ovaries via surgery. In addition,
(D)
just how the loss of those hormones and the impact of hormone replacement therapy affects
(E)
dementia risk is unclear.
30. Masi, who was part of the team that worked with the young survivors and families was affected
(A) (B) (C)
by the shooting at Sandy Hook Elementary School in 2012, says standard strategies for addressing
(D)
trauma in adults, such as cognitive behavior therapy, can also be helpful with children, with some
(E)
modifications.

III. Reading Comprehension: 40 points

【單選題】每題 2 分，共 20 題，答錯 1 題倒扣 0.5 分，倒扣至本大題零分為止，未作答，不給分亦不扣分。

Please read the following excerpts/passages closely and then choose the best answer to each question accordingly.

We've all heard amazing stories in which people struggle heroically to survive against all odds. [1] The truth, though, is that not all survivors are quite so heroic. As the following story shows, the will to survive isn't always so strong. [2] Thrilling yet terrifying, the Marathon des Sables is arguably the world's toughest foot race. Competitors attempt a six-day, 150-mile run across the Sahara Desert in temperatures of over 100 degrees.

Just imagine getting lost in the Sahara Desert. That is exactly what happened to an Italian policeman named Mauro Prosperi, a regular competitor, when he took part in the race in 1994. He said, "When strong winds blew over a desert, tiny particles of sand began to vibrate before they're whipped into the air. A sandstorm can reach heights of 15 meters, travelling at speeds of up to 40 kilometers an hour. Inside the dark, howling center of a storm, sand lacerated the skin, eyes and throat." Fearing that he could be buried in sand and unwilling to give up his position in the race, he kept moving. This was against the advice of race organizers who had instructed runners to stop and take cover in a sleeping bag if a sandstorm enveloped them. After eight hours trapped in the storm, Prosperi found himself suddenly, palpably alone in the still desert night.

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[3] With no water, no food and no hope, Prosperi made a decision: this little tomb would also be his final resting place. But when his attempt did not succeed, Prosperi said he soon “came to my senses.” “I realized that the marathon was moving on, that I couldn’t rely on the race officials to save me,” he said, “I decided I must confront the desert myself.” For three whole days, Mauro tried to find his way back to the course, with barely any water and no idea what direction he was heading in. He started to visualize the agonizing death he would soon have to face. A friend had once told him that dying of thirst was the worst of all possible deaths. Fearing such a long and painful death, he decided to cut his wrists with a knife. But, short of water, his blood was thick and would not flow. Five more days passed until, miraculously, a group of Tuareg nomads found him and took him to a village. [4]

Mauro discovered he was in Algeria, more than 180 miles away from the race course. In 1995, a documentary crew returned to the shrine where Prosperi sheltered for several days and found some of his belongings, along with bat skeletons. Two years after his **ordeal**, Prosperi felt well enough to return to his passion: endurance running. Determined to finish what he started, he ran the Marathon des Sables. He has now completed the race six times, placing 13th in 2001. [5]

31. What does the writer NOT say about the Marathon des Sables?

- (A) It makes you feel incredibly excited.
- (B) It gives you a real sense of achievement.
- (C) It’s extremely difficult.
- (D) It can be a life-or-death situation when you get lost.
- (E) It can be influenced by extreme weather swings in the desert.

32. In which of the positions marked [1], [2], [3], [4] and [5] does the following sentence best belong to?

“We wonder what we would have done in similar impossible situations and find it hard to imagine how these people found the strength to stay alive.”

- (A) 1 (B) 2 (C) 3 (D) 4 (E) 5

33. In the final paragraph, the word “ordeal” in line 3 is closet in meaning to _____.

- (A) affluence (B) command (C) devastation (D) trial (E) valor

34. Mauro attempted suicide because_____.

- (A) he knew someone who had died of thirst
- (B) he thought it would be better than dying slowly without water
- (C) he had blood circulation problems
- (D) he wanted to take his friend’s advice
- (E) he did need some water

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35. Mauro was rescued _____.

- (A) eight days after he got lost
- (B) not far from where he first got lost
- (C) by people who had been looking for him
- (D) and sent back to Italy
- (E) when people found the traces that he left on the road

The recent kidnapping of four Americans in Mexico brought attention to a common practice for many people in the United States: medical tourism. The four Americans were caught in a shootout between criminal drug organizations. A family member said the four were on a trip from the U.S. so that one of them could get cosmetic surgery from a doctor in Matamoros.

[1] Arturo Bustamante, a health policy professor at the University of California, Los Angeles, said that those who visit Mexico for care are mostly Mexican or Latino immigrants living in the U.S. [2] He said non-Latino patients mainly cross the border to get treatment for their teeth, buy prescription drugs, or to receive cosmetic surgery or some cancer treatments not covered in the U.S.

However, the U.S. Centers for Disease Control and Prevention (or CDC) warns that medical tourism could be risky depending on the country and the medical center. Among the risks are infectious diseases, quality of care, language difficulties, and follow-up care. [3]

To reduce risks, the CDC advises people to work with a healthcare provider or travel medicine provider before making the trip. [4] Lydia Gan of North Carolina noted that care providers often have someone pick patients up at the airport and take them to the health center or hotel. Edelheit of the Medical Tourism Association added that patients should research care quality before considering prices. “They really need to make sure they are going with the best of the best,” he said.

Once patients choose a country and a provider, the CDC advises to bring medical records and to inform medical workers of any health problems. After a procedure, the agency says to get copies of all new medical records and to plan for follow-up care. [5] If someone has medical problems after returning home, it may be hard for their doctor to learn the details about the care received during a trip.

36. What is the writer’s main purpose for writing this passage?

- (A) To promote medical tourism as an alternative.
- (B) To highlight the risks of medical tourism.
- (C) To explain why medical tourism becomes popular.
- (D) To criticize Mexico for providing medical tourism.
- (E) To compare medical tourism with other types of tourism.

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37. What type of information is included in the first paragraph?
- (A) A sarcasm.
 - (B) An account.
 - (C) An editorial.
 - (D) A retrospective.
 - (E) An obituary.
38. Regarding medical tourism, which of the following suggestions is NOT provided in the passage?
- (A) Choose cheaper medical procedures.
 - (B) Obtain all new medical records.
 - (C) Do research before going abroad.
 - (D) Seek a healthcare provider for help.
 - (E) Have a local guide sent by travel medicine providers.
39. Which of the following statements is true?
- (A) Medical tourism is still banned in the United States.
 - (B) All cancer treatments have been covered in the United States.
 - (C) Follow-up plans should be prepared before going back to the United States.
 - (D) Language is not an issue for those who seek a healthcare provider for help.
 - (E) Four Americans went to Mexico and were killed there by their doctor in surgery.
40. In which of the positions marked [1], [2], [3], [4] and [5] does the following sentence best belong to?
- “The risk for patients may not end after a procedure.”*
- (A) 1 (B) 2 (C) 3 (D) 4 (E) 5

Running a big business is complicated — often mind-numbingly so. Seemingly straightforward processes, such as taking an order and receiving the payment, can take thousands of possible paths. For example, if an extra credit-check is needed, delivery has to be confirmed or a follow-up invoice sent. Though often necessary, the rigmarole complicates life for companies and slows things down. The resulting inefficiencies can cost businesses **eye-watering** amounts — between 20% and 30% of annual revenue, according to one estimate.

Software-makers are now finding ways to untangle the procedural spaghetti with the help of “process mining.” Its dull name notwithstanding, it is one of the fastest-growing areas of information technology (IT). Celonis, a German process-miner, recently raised \$1bn at a valuation of \$13bn, making it Germany’s biggest startup and its hottest tech success story since SAP, a business-software giant, was founded 50 years ago.

Consultants have long tried to model and optimize business processes for corporate clients, but their abstract models rarely reflected the complex reality. To get a better view, two things needed to

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happen. Firms had to be able to extract “log files” from IT systems, showing in minute detail how these systems operate. In addition, algorithms had to be developed to process these data. Based on that, corporates can automatically construct a model which shows you what is really happening. That helps companies determine if, for instance, the extra credit check leads to unnecessary shipping delays or if the confirmation of delivery was registered in a timely fashion.

41. How does the author show the complication of running a corporate?
- (A) The author explains it with detailed processes.
 - (B) The author illustrates it by providing instances.
 - (C) The author argues for it with specific cases.
 - (D) The author describes it with expressive emotions.
 - (E) The author demonstrates it by mind-numbing syndicates.
42. According to the passage, which of the followings is the expression “eye-watering” in the first paragraph closest in meaning to?
- (A) credulous (B) inspiring (C) touching (D) imaginable (E) considerable
43. What is the purpose of process mining?
- (A) To abstract business models.
 - (B) To improve and update business processes.
 - (C) To develop algorithms for IT systems.
 - (D) To slow things down for companies.
 - (E) To make business processes more complicated.
44. Which of the following statements is NOT true?
- (A) Celonis is a successful process-miner.
 - (B) Running a corporate can be quite challenging.
 - (C) Process mining enables corporates to figure out their business reality.
 - (D) Two factors are crucial in the development of a process mining model.
 - (E) Any corporate can easily establish a process mining model all by themselves.
45. What is the article mainly about?
- (A) To inform big corporates of the success of Celonis.
 - (B) To complain about big corporates and their business.
 - (C) To request corporates to consult about process priming.
 - (D) To introduce a potential solution to business challenges.
 - (E) To explain why process mining is a complicated business.

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Industrial emissions are responsible for producing most greenhouse gases and particulate emissions that are harmful to our health and our planet.

The business world has an increasing demand for innovative solutions to reduce greenhouse gas emissions in order to ensure human's continued ability to live and thrive. A growing number of companies are dedicated to the research and development of carbon-capturing and carbon-recycling technology, which has already been adopted by airlines, home care companies, fragrance companies and now textile production.

A biotech startup company has partnered with a sportswear brand to create the world's first yarn and fabric made from waste gas captured from industrial emissions. Waste gas emitted from a steel mill is captured and reused to produce ethanol, which is later converted to polyester. The carbon-recycling technology is similar to that of a brewery; but instead of using sugars and yeast to make beer, industrial emissions are converted by bacteria to fuels and chemicals.

The company's goal is to help more businesses become "Carbon Smart" to achieve their climate change goals around carbon reduction, by radically change how they source, utilize and dispose of carbon.

By capturing and upcycling industrial carbon emissions to make yarn, the finished garments not only have a lower carbon footprint, but also ensure lower levels of community pollution. Recycling carbon emissions is key to the circular economy, which will keep fossil carbon in the ground — reducing the use of fossil fuels and pollution when used to make value-added products such as polyester. In other words, the technology promotes circularity by keeping carbon in the material cycle.

This kind of waste-gas-based polyester not only has the same appearance but also the same properties and functionality of virgin polyester. Moreover, once the waste-gas-based textiles reach the end of their useful life, they can be gasified and fermented without **taxing the environment**.

46. What does the article tell us about the biotech startup?

- (A) It has the technology to convert carbon emissions into ethanol.
- (B) It helps businesses to become carbon smart by turning to green energy.
- (C) It uses the bacteria to create environmentally friendly fossil fuels.
- (D) It uses genetically modified plants to produce textiles.
- (E) It helps the brewery to reduce their carbon footprint.

47. What does the phrase "taxing the environment" in the final paragraph mean?

- (A) Causing burden to the environment.
- (B) Charging extra fees.
- (C) Making adaptations to the environment.
- (D) Increasing tax revenues.
- (E) Reducing industrial exhaust.

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48. What can be inferred from the article?

- (A) Industrial emissions can be fermented to become fertilizer.
- (B) The sportswear company cuts down production because of air pollution.
- (C) The business world is looking for ways to combat circular economy.
- (D) There is no such thing as waste, only resources in the wrong place.
- (E) The steel industry uses recycled metal to reduce their carbon footprint.

49. Which of the following statements is true?

- (A) The biotech startup uses the carbon captured to generate electricity.
- (B) The carbon-capturing technology can be used to power a brewery without burning fossils fuels.
- (C) The polluted air emitted from a steel factory can now become the raw material of clothes.
- (D) The sportswear company reduces their carbon footprint by using recycled fabrics.
- (E) The waste-gas-based polyester is more durable than virgin polyester.

50. Which of the followings would be the best title for this article?

- (A) Turning Air into Green Gold.
- (B) The Fatal Effects of Industrial Emissions.
- (C) The Greenhouse Gas Effect at a Glance.
- (D) Green Energy for the Steel Industry.
- (E) Circular Economy Explained.

IV. Essay Writing: 20 points

Write an essay of at least 200 words regarding the following statement:

ChatGPT can save lives in the Emergency Room, but it needs supervision: "It is at once both smarter and dumber than any person you've ever met."

[illegible][illegible][illegible][illegible]