

113年公務人員特種考試警察人員、一般警察人員、
國家安全局國家安全情報人員及移民行政人員考試試題

代號：35140-35440
頁次：6-1

考試別：國家安全情報人員考試

等別：三等考試

類科組別：政經組（選試英文）、情報組（選試英文）、國際組（選試英文）、
資訊組（選試英文）

科目：外國文（英文）

考試時間：2 小時

座號：_____

※注意：禁止使用電子計算器。

甲、申論題部分：(50 分)

(一)不必抄題，作答時請將試題題號及答案依照順序寫在申論試卷上，於本試題上作答者，不予計分。

(二)請以藍、黑色鋼筆或原子筆在申論試卷上作答。

一、英譯中：請將以下文章翻譯成中文（20 分）

International fraud is a growing concern in today's interconnected world. With the rapid advancement of the technology and global financial systems, criminals have found new avenues to perpetrate fraudulent activities across borders, exploiting vulnerabilities and loopholes in international regulations. International fraud encompasses a wide range of deceptive practices, including identity theft, money laundering, investment scams, and cyber fraud. These schemes often involve complex networks of individuals and organizations operating in multiple jurisdictions, making it challenging for law enforcement agencies to investigate and prosecute offenders effectively.

In a world where borders are increasingly porous, combating international fraud demands a proactive and unified approach. To effectively combat international fraud, there is an urgent need for enhanced international cooperation, harmonized legal frameworks, increased resource allocation, and the development of innovative strategies that can keep pace with evolving criminal tactics.

二、英文寫作：請根據以下指示寫一篇英文作文（30 分）

Cybersecurity has become a critical concern for national security, aligning with the United Nations' Sustainable Development Goal 16: Peace, Justice, and Strong Institutions. Write an essay to discuss the role of investigators in countering cyber threats and protecting sensitive digital assets, and how their work contributes to achieving SDG 16.

乙、測驗題部分：(50 分)

代號：4351

(一)本試題為單一選擇題，請選出一個正確或最適當答案。

(二)共40題，每題1.25分，須用2B鉛筆在試卡上依題號清楚劃記，於本試題或申論試卷上作答者，不予計分。

- 1 AI technologies can provide highly precise insights into market trends, which allow companies to stay ahead of _____ and well prepare for a dynamic market.
(A) competitors (B) participants (C) collectors (D) programmers
- 2 The more public transportation is used, the smaller a city's carbon footprint is. This is because public transportation uses less _____.
(A) vapor (B) space (C) fuel (D) distance
- 3 Vehicle cybersecurity is essential because autonomous cars must _____ with one another to share information for them to be safe.
(A) communicate (B) motivate (C) contribute (D) manufacture
- 4 Placed strategically throughout the house, certain good luck plants are believed to bring prosperity, _____, health and more.
(A) closure (B) invitation (C) fortune (D) exchange
- 5 According to WHO, over seven hundred million people lack _____ to clean water, meaning they are exposed to higher risks of diseases.
(A) effort (B) attempt (C) engagement (D) access
- 6 Taipei 101's ability to _____ the recent 7.4 magnitude earthquake lies in its use of reinforced concrete, a material renowned for its strength and flexibility.
(A) withstand (B) eliminate (C) minimize (D) illustrate
- 7 Multiple days of heavy rains had flooded this city, so a team of rescuers was dispatched to _____ residents trapped by rising waters.
(A) export (B) exclude (C) evacuate (D) evaluate
- 8 It is estimated that by 2025, data centers will consume 20% of the world's energy supply; it is thus urgent to adopt _____ energy solutions.
(A) sustainable (B) portable (C) controversial (D) functional
- 9 Ecotourism is designed to _____ a natural area's vulnerable ecosystem, so it should allow visitors to experience the beauty of a destination without causing damage to it.
(A) disregard (B) relocate (C) compete (D) safeguard
- 10 Criminology states that criminality is inherited; studies show that a significant number of _____ youths have criminal fathers.
(A) muscular (B) superficial (C) delinquent (D) proficient
- 11 Measures are being taken to stop employment agencies _____ foreign workers.
(A) exploiting (B) advocating (C) encountering (D) accelerating
- 12 Volcanoes are mountains that sometimes spurt out burning ash, gas, and hot _____.
(A) saliva (B) lama (C) yak (D) lava
- 13 After spending a fortune on a concert ticket, Irene was furious to find that the ticket was a _____.
(A) counterpart (B) counteract (C) counter-argument (D) counterfeit

- 14 Harrier fighter planes have been _____ “jump jets” because they can take off straight up into the air.
(A) nicknamed (B) falsified (C) eliminated (D) neutralized
- 15 DNA collected from chewing gum led to arrest and _____ in a 1980 cold case murder.
(A) villain (B) forgery (C) genocide (D) conviction
- 16 No one was sure if Adam could handle the pressure of making a public speech, but he _____ to the occasion and did an excellent job.
(A) rolled (B) arose (C) rose (D) raised
- 17 The night before a big trip is the perfect time to tie up _____ ends, finishing any last-minute packing, and getting ready for the trip.
(A) loose (B) loosen (C) lost (D) lose
- 18 A bridge collapsed after a massive cargo ship veered _____ and struck the bridge.
(A) on duty (B) off duty (C) of course (D) off course
- 19 Though eventually reaching the top of Mt. Everest, Jamling had to have two of his toes _____ due to bad bleeding and frostbite.
(A) expedited (B) amputated (C) gratified (D) impeded
- 20 The rising pop music star has shown a promising upward career _____.
(A) outrage (B) trajectory (C) monotony (D) blockage

請依下文回答第 21 題至第 25 題

Is migration good for the economy? Migration is a feature of social and economic life across many countries, but the profile of migrant populations varies considerably. In part this is because of the variety of 21 of migration. For example, in Australia, Canada, and New Zealand, managed labor migration plays an important role. Other sources include family and humanitarian migration. Whatever its source, migration has important impacts on our societies.

Benefit or burden – what’s the reality? To answer this question, it can be helpful to look at migration’s impact in two areas – the labor market and economic growth. In the labor markets, migrants have played a significant role, particularly in the United States and Europe. Over the past decade, they have 22 47% of the workforce increase in the United States and an even higher 70% in Europe. These migrants are not just filling roles but are occupying important niches in both fast-growing and declining sectors of the economy. 23 their impact on labor markets, migrants also significantly contribute to economic growth. Migration leads to an increase in the working-age population, thereby providing a boost to the economy. Moreover, migrants are known to contribute to technological progress. Their unique perspectives and experiences can lead to innovative solutions and advancements, further driving economic 24.

Understanding these impacts is important if our societies are to usefully debate the role of migration. The fundamental question of how to maximize the benefits of migration, both for host countries and the 25 themselves, needs to be addressed by many countries in coming decades, especially as rapid population ageing increases demand for migrants to make up shortfalls in the workforce.

- 21 (A) countries (B) sources (C) customs (D) societies
- 22 (A) accounted for (B) given up (C) taken off (D) intervened with
- 23 (A) In addition to (B) In spite of (C) To sum up (D) By the way
- 24 (A) regression (B) problem (C) growth (D) involvement
- 25 (A) officers (B) socialists (C) educators (D) migrants

請依下文回答第 26 題至第 30 題

Too many people in corporate America, working five days a week—Monday to Friday, 9 to 5—feels as 26 as brushing their teeth. But it wasn't always that way. In the late 1800s, a full-time manufacturing worker could easily spend 100 hours per week on the job. It wasn't until around 1940, after a concerted push from labor unions, that the 40-hour workweek became standard in the U.S. Now, almost a century later, there's growing momentum for an even more 27 schedule. Pilot studies on working four days a week have been conducted in countries including the U.K., Spain, Portugal, and South Africa. The findings suggest that shorter workweeks can help employees reduce burnout, manage stress, get more sleep and exercise, spend additional quality time with loved ones, and feel all-around happier and healthier. Employers also reap 28, including lower rates of turnover and absenteeism. The study in Spain even tracked a drop in fuel emissions due to fewer commuting trips.

Additional trials are underway in countries including Germany, Brazil, and the Dominican Republic. Much of the research on shorter workweeks has been done by advocacy groups like 4 Day Week Global. Independent surveys, like one conducted by Gallup in 2022, sometimes show a more complex picture. In the Gallup survey, people who worked four days a week were slightly more likely to report feeling burned out, compared to those with traditional schedules—potentially because they had to 29 the same amount of work into less time. That result is in direct 30 with the results of pilot studies run by groups like 4 Day Week Global; in fact, the group identified burnout reduction as one of the largest benefits of a condensed schedule.

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|----|---------------|-------------------|----------------|-------------------|
| 26 | (A) sanitary | (B) formal | (C) habitual | (D) confusing |
| 27 | (A) condensed | (B) complementary | (C) commercial | (D) controversial |
| 28 | (A) arguments | (B) benefits | (C) emotions | (D) pressures |
| 29 | (A) cram | (B) claim | (C) approve | (D) improve |
| 30 | (A) relation | (B) conclusion | (C) revolution | (D) conflict |

請依下文回答第 31 題至第 35 題

One of the main factors that drive the growth of e-commerce companies is efficiency at all levels of operations. Supply chain management is a big part of ensuring such efficiency. By leveraging specific aspects of the supply chain management process, e-commerce giants such as Amazon are growing even larger.

First, supply chain management encourages positive customer reviews. Up to 72% of customers visit websites and read their reviews, and as high as 93% of online shoppers admit that they make a decision based on reviews and make purchases because of positive reviews. E-commerce businesses are coming to terms with these statistics and are using positive reviews as a major marketing and selling point. But on the other end of the spectrum, E-commerce companies are also hugely affected by negative reviews and these can have a drastic effect on sales. This is why companies need to take great measures to manage the reviews they get. Effective supply chain management ensures that orders are received and delivered quickly and effectively to customers which keeps them happy and encourages them to give positive reviews.

In addition, supply chain management confirms stock availability. One of the most useful pieces of information that customers should have access to is the availability of products. Such information can mean the difference between losing a customer and making a sale. If you have ever made a purchase online, then chances are you've based your decision on knowing that the product is available and that you can get it within a certain period. For instance, when there were only 5 items left, 85% of surveyed customers reported they would make the order immediately. E-commerce giants understand that customers don't want to be disappointed. Through effective and efficient supply chain management E-commerce businesses can ensure that stock is always available for driving sales. Therefore, a major part of every E-commerce business's marketing strategy should be to ensure that products are always available.

In conclusion, if you are interested in running or joining an E-commerce business, you may want to learn how to make the supply chain more effective and efficient. Learning more about supply chain management will help you boost the profit of your business.

- 31 What is the main idea of this passage?
- (A) To discuss why E-commerce companies are booming.
 - (B) To explain how to effectively manage the inventory of a company.
 - (C) To highlight the importance of positive reviews customers provide.
 - (D) To encourage business owners to use supply chain management.
- 32 Which of the following magazines is most likely to be the source of this passage?
- (A) Green Living.
 - (B) Sports and Health.
 - (C) Online Business.
 - (D) Creative Baking.
- 33 According to the passage, how many percentages of customers tend to make a decision based on customer reviews?
- (A) 93%.
 - (B) 85%.
 - (C) 72%.
 - (D) 60%.
- 34 According to the passage, which of the following statements is true?
- (A) E-commerce businesses are not affected by negative customer reviews.
 - (B) Delivering goods quickly can lead to positive customer reviews.
 - (C) Few supply chain management systems are effective in practice.
 - (D) Customers do not need to know if certain goods are in stock.
- 35 What can be inferred from this passage?
- (A) E-commerce businesses are more likely to keep low inventory.
 - (B) Effective supply chain management is essential for e-commerce.
 - (C) Customers are encouraged to upload comments to get coupons.
 - (D) More younger generations are shopping online than older generations.

請依下文回答第 36 題至第 40 題

Two months after its release in November 2022, OpenAI's ChatGPT had 100 million active users, and suddenly tech corporations were racing to offer the public more "generative AI." One consequence of the explosion of artificial intelligence is clear: this technology's environmental footprint is large and growing.

AI use is directly responsible for carbon emissions from non-renewable electricity and for the consumption of millions of gallons of fresh water, and it indirectly boosts impacts from building and maintaining the power-hungry equipment on which AI runs. Globally, the number of cloud data centers, which house a multitude of computers performing complex calculations for AI operations, is estimated to be between approximately 9,000 and 11,000. More are under construction. The International Energy Agency (IEA) projects that data centers' electricity consumption in 2026 will double that of 2022 — 1,000 terawatts, roughly equivalent to Japan's current total consumption. Moreover, AI data centers require a significant amount of water due to their cooling needs. These facilities generate a lot of heat because of the intense computation performed by the servers. To prevent overheating and maintain optimal performance, these servers need to be cooled down, which is often achieved through water-based cooling systems.

In conclusion, the rapid advancement and adoption of artificial intelligence have undeniably brought about a new era of technological innovation. However, this progress comes with a significant environmental cost. The increasing reliance on AI has led to a surge in carbon emissions, water consumption, and the construction of power-intensive infrastructure. As we look towards the future, it is crucial that we balance the benefits of AI with its environmental impact. The challenge lies in harnessing the power of AI while mitigating its ecological footprint, ensuring a sustainable future for all.

36 What is the main idea of this passage?

- (A) To discuss why ChatGPT attracts millions of active users in a short time.
- (B) To explain that development of AI comes with huge environmental cost.
- (C) To explore how generative AI can improve various aspects of our lives.
- (D) To discover the new sustainable energy sources for supporting AI operation.

37 According to the passage, what are the two resources necessary for AI development?

- (A) Data centers and storage space.
- (B) Gasoline and electricity.
- (C) Electricity and water.
- (D) Rainfall and wind power.

38 Which is used as evidence for the large and growing footprint of AI technology?

- (A) OpenAI's ChatGPT has more than 100 million active users every month.
- (B) There will be 9000 data centers around the world ten years from now.
- (C) Development of AI relies on the constructions of more data centers.
- (D) Data centers' electricity consumption in 2026 will be twice that of 2022.

39 Which of the following issues is NOT discussed in the passage?

- (A) AI technology encourages the use of green energy.
- (B) We must limit the ecological footprint of AI technology.
- (C) Complex calculations for AI operations demand huge amount of electricity.
- (D) Cooling systems preventing computers from overheating consume much water.

40 What is the author's attitude towards the development of AI and its impacts on the environment?

- (A) We need to balance the benefits of AI and its environmental impact.
- (B) We must stop building data centers that are exhausting natural resources.
- (C) We can move data centers to areas that can provide abundant resources.
- (D) We should properly maintain the power-hungry equipment that runs AI.