

國立高雄應用科技大學
九十七學年度碩士班招生考試
工業工程與管理系（乙組）

准考證號碼 （考生必須填寫）

科技英文

試題 共四頁，第一頁

- 注意：a.本試題分為四大部份，第一部份 30 分，第二部份 20 分，第三部份 20 分，第四部份 30 分，共 100 分。
b.作答時不必抄題。
c.考生作答前請詳閱答案卷之考生注意事項。

第一部份：辭彙 30%

本部份共 15 題，每題 2 分，每題含一個空格，請就 A, B, C, D 四個選項中選出一個最適合題意的答案，標示在答案紙上。

Question 1-15

1. Microsoft went public on Tuesday with an offer to _____ Blockbuster for at least \$15 a share.
(A) repair (B) inquire (C) acquire (D) prepare
2. His company doesn't have the _____ to transport your products to the United States.
(A) room (B) capability (C) shipping (D) transfer
3. She needs to do some _____ to see who has the best price in town on this printer.
(A) exercise (B) thing (C) looking (D) research
4. The dissident was _____ yesterday by some political fanatics.
(A) celebrated (B) promised (C) attacked (D) celebrated
5. The Great Barrier Reef is _____ with sea life.
(A) abundant (B) profusive (C) profusion (D) covered
6. This project is geared to restore the _____ of consumers.
(A) humility (B) confidence (C) human (D) confinement
7. He went into a _____ for a single item, but got stuck in line behind shoppers with packed cart.
(A) supermarket (B) department-store (C) factory (D) warehouse
8. The Industrial Revolution was the time when people started using _____ to make life easier.
(A) people (B) land (C) money (D) machines

試題 共四頁，第二頁

9. _____ is a condition where a person does not get enough sleep.
(A) Sleepiness (B) Exhaustion (C) Insomnia (D) Sleepless
10. He used to indulge in _____ about being a famous actor.
(A) movie (B) fantasies (C) fantasia (D) theater
11. The government has started a new _____ on the international harbor to increase its size.
(A) bridge (B) tunnel (C) pier (D) project
12. Industry can conserve water by using better _____ and reusing treated wastewater instead of fresh water.
(A) plumbing (B) water (C) standing (D) understanding
13. In 1977, a crazy but _____ American pilot succeeded in flying between the legs of the Eiffel tower.
(A) handsome (B) skillful (C) beautiful (D) happy
14. A bigger air carrier can effectively _____ record fuel prices.
(A) lower (B) level (C) confront (D) receive
15. The joint venture of three car manufacturers may be the _____ to something much larger.
(A) prediction (B) tailspin (C) window (D) precursor

第二部份：文法 20%

本部份共 10 題，每題 2 分，每題含一個空格，請就 A, B, C, D 四個選項中選出一個最適合文法規則的答案，標示在答案紙上。

Question 16-25

16. A campaign aimed to crackdown gambling _____ out thoroughly.
(A) is being carried (B) is carried (C) convenes (D) has convened
17. The meeting _____ yearly.
(A) convened (B) is convened (C) convenes (D) has convened
18. No one can steal your idea because your invention _____.
(A) patented (B) has patented (C) has being patented (D) has been patented
19. _____, I was interested, but now I am bored.
(A) At first (B) As soon (C) From the beginning (D) In the mean time
20. Michelle hits her head _____ she didn't see the shelf.
(A) after (B) therefore (C) because (D) hence
21. Pete went _____ soon after he graduated from college.
(A) writing (B) about writing (C) written (D) being writing
22. Watch out! There is a dog _____ your car.
(A) above (B) below (C) under (D) between
23. I object to _____ winning that point.
(A) him (B) he (C) the (D) his
24. It is not true that they live a rich life. In fact, they live _____ shifts.
(A) by (B) for (C) with (D) to
25. When I look _____ my watch, it will be a signal for us to leave.
(A) by (B) at (C) from (D) with

試題 共四頁，第三頁

第三部份：閱讀理解 20%

本部份共 10 題，包含兩篇短文，每篇短文後有數個相關問題，每題 2 分，請就 A, B, C, D 四個選項中選出一個最適合題意的答案，標示在答案紙上。

Question 26-30

In 1934, a chemist named Wallace Carothers produced in a laboratory a substance that could be stretched into long, smooth strands. It was far more elastic than silk. Du Pont, the company that employed Carothers, kept the discovery secret while researching a way to use the substance in fabric. In 1940, Du Pont's new fabric went on sale throughout the United States in the form of women's hosiery. The fabric was named "nylon." In the first year, 64 million pairs of nylon stockings were sold.

Since then, many things – such as tires, carpets, parachutes, and various clothing items – have been made from nylon. Nylon is also used for fishing lines, bristles for brushes, and machine parts in factories. Surgeons use nylon thread to sew up wounds.

Nylon was the first synthetic fabric thought to be superior to natural fabrics. It was hailed as a great discovery. Unfortunately, the name of Wallace Carothers is almost unknown. The name most people remember when they think of nylon is Du Pont. Carothers might have been as famous as Eli Whitney and Thomas Edison.

26. Wallace Carothers is inventor of _____.
(A) strands (B) nylon (C) stockings (D) hosiery
27. Wallace Carothers is _____ of Du Pont.
(A) the inventor (B) the boss (C) an employee (D) a secret
28. Material made from nylon apparently _____.
(A) hailed (B) natural (C) rigid (D) strong
29. The most famous person in this passage is _____.
(A) Thomas Edison (B) Eli Whitney (C) Wallace Carothers (D) Du Pont (a)
30. Which of the following is the best title of the passage?
(A) The Story of Du Pont
(B) The Story of Hosiery
(C) The Story of Nylon
(D) How Nylon Is Made

Question 31-35

The burning of fossil fuels produces dangerous level of greenhouse gases, and depletes the ozone layer. Governments around the world worry about how we will produce heat and power when oil supplies run out. Alternative sources of energy such as wind and solar power could be replace fossil fuels, and provide safe and renewable energy.

Wind power has been used for centuries. Today, windmills are again gaining popularity. They are seen as a safe and clean way to power machines and fuel agricultural tasks. Similarly, solar panels capture the sun's rays, and convert the energy to provide hot water, heat house and run appliances.

Scientists are doing research to develop these important sources of alternative energy. Prototype houses already exist that are energy-efficient, and run only with wind and solar power. In fact, whole buildings can now be built without the need for air-conditioners and heaters.

31. Which one of the followings is fossil fuel?
(A) wood (B) propane (C) paper (D) ethanol
32. What is a problem with the use of fossil fuels?
(A) They produce high level of greenhouse gases.
(B) They will never run out.
(C) They protect the ozone layer.
(D) They produce not enough heat.
33. Which one of the following statement is incorrect?
(A) Wind power is gaining popularity recently.
(B) Wind power is a very old technology.
(C) Wind power can power machines.
(D) Wind power is a new technology developed recently by scientists.
34. Which one of the followings is NOT a renewable energy
(A) solar power (B) wind power (C) petroleum (D) bio-diesel fuel
35. What do solar panels do?
(A) They convert the sun's energy to run appliances.
(B) They power the windmill.
(C) They do research to develop new alternative energy.
(D) They decorate the house to prevent heat loss.

第四部份：寫作 30%

Write an essay to express your opinion on certain technical product, such as MP3 player, mobile phone, notebook computer.

- (1) You should have the title of your essay on top of the writing.
- (2) The suggested length of the essay is 100-300 words.