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英文科試題 (共 5 頁)

本試題分字彙、文法、閱讀與作文四大題。前三大題為單選題，只要將正確答案代表字母 (A, B, C, D) 劃記於答案卡上即可。若用其他方法作答(用文字)不予計分。

**I. Vocabulary: 24%**

In each of the following sentences there is a blank where a word is left out. Choose the answer that best completes the sentence and write its corresponding letter on the answer card.

- A single lapse of concentration could \_\_\_\_\_ a professional tennis player the world title.  
(A) claim (B) take (C) cost (D) cause
- Cross-cultural differences are difficult to research even though all experienced researchers will \_\_\_\_\_ you they exist.  
(A) assure (B) ensure (C) sure (D) enforce
- He has fallen \_\_\_\_\_ to depression ever since his wife passed away two years ago.  
(A) pray (B) prey (C) torture (D) ordeal
- Her father was trying to \_\_\_\_\_ her acting ambition by refusing to support her through drama school.  
(A) astute (B) contend (C) vanish (D) sabotage
- Many toys have no attraction beyond their \_\_\_\_\_ value.  
(A) warranty (B) alliteration (C) ensemble (D) novelty
- If women are to attain equal opportunity, they must loudly \_\_\_\_\_ their ability to do all traditional "male" jobs.  
(A) desist (B) radiate (C) assert (D) caution
- This movie receives very high ratings from critics for its \_\_\_\_\_ plot.  
(A) immaculate (B) solitary (C) malaise (D) malicious
- The disease has been \_\_\_\_\_ from the Western world through the use of vaccines.  
(A) expedited (B) eradicated (C) rejuvenated (D) recuperated
- One \_\_\_\_\_ for racial attacks would be to educate our citizens more about social equality.  
(A) remedy (B) remedial (C) caveat (D) niche
- People who have made it through wars usually show remarkable \_\_\_\_\_.  
(A) navigation (B) sanctuary (C) abyss (D) resilience
- Writers usually \_\_\_\_\_ an ending chapter for a long time.  
(A) pick on (B) mull over (C) rub in (D) size up
- The unemployment rate \_\_\_\_\_ in August and fell sharply soon after.  
(A) skyrocketed (B) dispatched (C) litigated (D) amortized

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**II. Grammar: 26%**

In each of the following sentences there is a blank where a word, a phrase, or a clause is left out. Choose the answer that best completes the sentence and write its corresponding letter on the answer card.

13. Ford, one of the biggest car manufacturers, went \_\_\_\_\_ the budget to offer further reductions on selected Fiestas and Escorts.  
 (A) beyond (B) after (C) out of (D) within
14. You'd better \_\_\_\_\_ Tim around.  
 (A) get used to see (B) to get used to see  
 (C) getting used to seeing (D) get used to seeing
15. A year ago I was very miserable, because I was \_\_\_\_\_ by the routine life in that little town.  
 (A) boring (B) bored (C) boring myself (D) being bored
16. The committee now \_\_\_\_\_ instruments especially for hitchhiking through the galaxy on ESA spacecraft.  
 (A) is considering to build (B) is considering building  
 (C) considers to build (D) considers to building
17. Mary \_\_\_\_\_ changed jobs twice in her whole life.  
 (A) has ever (B) ever has (C) always (D) has
18. I don't really feel like \_\_\_\_\_ this at the moment.  
 (A) to do (B) doing (C) to be doing (D) to be done
19. If long-stay care for very dependent people was thoughtful and sensitive, would we all be so \_\_\_\_\_ becoming very old?  
 (A) frighten of (B) fear of (C) afraid to (D) frightened of
20. My computer crashed and I lost all my data. \_\_\_\_\_  
 (A) What can I do? (B) How should I do?  
 (C) What I should do? (D) How can I do?
21. When the accident \_\_\_\_\_, he was at a party meeting in Moscow.  
 (A) happening (B) has happened (C) happened (D) was happened
22. On reflection, it was probably the easiest \_\_\_\_\_ dollars I'll ever make.  
 (A) hundred of (B) five hundreds (C) five hundred (D) several hundreds
23. He also spoke critically about the Benghazi raid, \_\_\_\_\_ by an officer in the Operations branch.  
 (A) in spite having been warned (B) in spite of having been warned  
 (C) in spite he has been warned (D) in spite being warned
24. Harrison's two \_\_\_\_\_ had been identified by the Lockerbie investigators and neither showed any sign of explosives.  
 (A) luggages (B) pieces of luggage (C) luggage (D) baggages

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25. Our visit to the university is \_\_\_\_\_ next Monday.

- (A) appointed on                      (B) appointed for  
(C) scheduled for                      (D) scheduled on

### III. Reading Comprehension: 20%

Each reading passage is followed by five questions. Choose the best answer to each question, and write its corresponding letter on the answer card.

#### Passage 1

There are three major parts of the human brain. Each of them is separate from the others, and each has its own functions and distinctive processes. Brain 1 includes the spinal cord, the medulla, and the middle section of the brain. It controls involuntary functions like breathing and digestion, along with the nerves necessary for reproduction. The structure of the human brain 1 is rather different from the structures of the brains of mammals and reptiles. Brain 1 is also responsible for aggressive and social behavior.

Brain 2 surrounds brain 1. Various glands, such as the pituitary and amygdala, are located in this "second brain." Scientists indicate that human emotions such as excitement, fear, and love are centered here, as well as the senses of taste and smell. Memory and learning are also controlled by brain 2. Electrical charges applied to this brain area causes seizures and psychotic behavior.

Brain 3 is the neocortex, the thick covering that surrounds the top and side portions of the brain. This is the gray matter we often think of when we speak of the brain. Only the higher orders of animals have this brain area, but none is as highly developed as the human neocortex. Brain 3 sends information from the other two brains to the body and receives data from the body. It is brain 3 that makes us fully human: Brain 3 allows us to stand erect, to plan and anticipate the future, to see, to speak, to use symbols and tools, and to remember. Brain 3 also acts as a unifying control of the other two brains.

26. This passage is mainly about \_\_\_\_\_

- (A) functions of the three sections of the brain.  
(B) development of the human brain.  
(C) complexity of the human brain.  
(D) the areas that control different kinds of behavior.

27. Excitement, fear, and love are processed in \_\_\_\_\_

- (A) the neocortex  
(B) the pituitary  
(C) brain 2  
(D) the medulla

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28. "Gray matter" is a synonym for \_\_\_\_\_

- (A) the amygdala
- (B) the spinal cord
- (C) the neocortex
- (D) the medulla

29. The passage suggests \_\_\_\_\_

- (A) only humans have the neocortex section of the brain.
- (B) the human being is the only animal that has emotions.
- (C) brain 3 is all we need to survive.
- (D) three parts of the brain work individually as well as holistically.

30. As used in this passage, the word *involuntary* means \_\_\_\_\_

- (A) strained
- (B) convulsive
- (C) automatic
- (D) abnormal

### Passage 2

The dirty little secret about drugs is that they only work in about half of the people who take them. Some pharmaceutical companies are testing patients for genetic variations that explain why they respond differently to drugs. The plan is to make money by selling personalized medicine services to employers, which are willing to pay higher fees for improved health outcomes and lower prescription costs. The business improved as scientists identified more genes linked to drug responses. For many medicines, enzymes produced in the liver are crucial. Some enzymes change drugs so that they are excreted from the body. Others convert drugs that have no effect when first administered into a medically active form. Because of variations in genes, these enzymes may work quickly or slowly or not at all. Too much or too little dosage can be equally ineffective, if not deadly. With a genetic test, doctors can determine if a particular patient will need more or less of the standard dose. Although such new measure will cut revenues for some drug-makers who are used to the blockbuster mentality, the pharmaceutical industry is beginning to see a future business model where they just want all of the smaller markets of appropriate patients. Given the trend, the once over-hyped idea of personalized medicine is really starting to get legs and the old way of giving therapeutics will be obsolete.

31. What is the main concern of the passage?

- (A) pros and cons of genetic testing in pharmaceutical industry
- (B) gene mapping with enzyme production
- (C) drug-makers' battle against blockbuster drugs
- (D) reasons for personalized medicine services

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32. According to the passage, which of the following does the author believe?
- (A) Personalized medicine services are too good to be true.
  - (B) Enzymes determine the effectiveness of a drug.
  - (C) Pharmaceutical industry is losing focus lately.
  - (D) Genetic testing is unethical.
33. According to the passage, the traditional way of therapeutics is to give \_\_\_\_\_
- (A) one-size-fits-all medicine
  - (B) genetically tested prescriptions
  - (C) scientifically proven drugs
  - (D) custom-made prescriptions
34. People are willing to pay more because of \_\_\_\_\_
- (A) faster healthcare services
  - (B) cheaper insurance fees
  - (C) better cost-savings
  - (D) easier access to medication
35. As used in this passage, the word *blockbuster* means \_\_\_\_\_
- (A) the best-selling movie
  - (B) the most popular drug
  - (C) the most effective medical procedure
  - (D) the leading pharmaceutical company

**IV. Composition: 30%**

Write on the answer sheet an essay of about 300 words to describe "the best day of my life."