I.  

I. 詞彙與慣用語 (15%)

1. The speaker gave us a _______ report on the effects of global warming, so we had a clearer idea how serious it was.
   (A) magical  (B) detailed  (C) frozen  (D) solid

2. The _______ on board are thirty in all, including the pilot.
   (A) crew  (B) cast  (C) chef  (D) claw

3. From the hill he looked down on the peaceful _______.
   (A) disease  (B) existence  (C) technology (D) landscape

4. My family and I were stunned at the _______ Niagara Falls.
   (A) spectacular  (B) sophisticated (C) imaginative (D) historical

5. The _______ to enter the best colleges in Taiwan is very intense.
   (A) cultivation  (B) competition (C) combination  (D) compassion

6. The captain yelled, “_______ ship! The ship is sinking.”
   (A) Master  (B) Develop  (C) Abandon  (D) Promote

7. Her photo was _______ placed on her desk, so everyone walking by would notice it.
   (A) nutritiously  (B) tremendously  (C) prominently (D) incredibly

8. Tom was very _______: he thinks people are always selfish and never do things for good reasons.
   (A) poisonous  (B) cynical  (C) deafening  (D) useful

9. Helen _______ the yard every year, so trees and flowers over there grow very well.
   (A) memorizes  (B) fertilizes (C) prevents  (D) freezes

10. Since she was well-prepared, she answered _______ when questions were raised.
    (A) simply  (B) barely  (C) readily  (D) classically

11. Increased violent juvenile crime, teen pregnancy, and suicide have caused many to declare a _______ crisis in our nation.
    (A) shiny  (B) scary  (C) humble  (D) moral

12. He agrees with the _______ that both men and women should have equal opportunities.
    (A) meekness  (B) membership  (C) fantasy  (D) concept

13. Spring is around the corner, so the snow will _______ soon.
    (A) thaw  (B) stew  (C) peer  (D) weep

14. Every day after school, I take the _______ bus home.
    (A) jam-packed  (B) sun-kissed  (C) ball-juggling  (D) broad-shouldered

15. Ang Lee is a famous Taiwanese film _______, whose works include Crouching Tiger, Hidden Dragon and Brokeback Mountain.
    (A) messenger  (B) wizard  (C) native  (D) director

II. 綜合測驗 (25%)

Many inventions are based on nature. _______ the lotus, for example. The secret of how the flower rises above its muddy environment was discovered by a German botanist, Dr. Wilhelm Barthlot _______ spent 20 years studying the architecture of thousands of plant surfaces with a scanning electron _______. He found that its leaves _______ tiny needles. Dust and dirt fall on the needle tips and quickly wash away when it rains. The lotus, _______ has a self-cleaning leaf. The lotus effect has _______ a house paint made in Germany called Lotusan. The paint is _______ to stay clean for five years without detergents or sandblasting.

The lotus effect is an example of biomimicry, an emerging discipline that _______ nature and then imitates these designs and _______ to solve human problems. Now, biomimicry is becoming a cornerstone of sustainable design. More and more designers are realizing a simple truth when trying to find responsible, ecological solutions: If we're trying to do it, chances are, nature already did it _______ better.

16. (A) Make  (B) Do  (C) Take  (D) Get
17. (A) who  (B) that  (C) whose  (D), whom
18. (A) outrider  (B) mineral  (C) creature  (D) microscope
19. (A) are part of  (B) give rise to  (C) act as  (D) are covered with
20. (A) namely  (B) scarcely  (C) merely  (D) hardly
21. (A) been set on  (B) been run down  (C) been applied to  (D) been made up of
22. (A) flavored  (B) sought  (C) originated  (D) guaranteed
23. (A) looks to  (B) makes out  (C) takes up  (D) weeps over
24. (A) vitamins  (B) processes  (C) sheets  (D) hooks
25. (A) very  (B) even  (C) by far  (D) more
Anthon is a very pious farmer. Every morning reaching his farm, he starts his work with a prayer --- a prayer that he reads from his little prayer book. He has been so faithful in this routine since he was in his twenties. one day after forty years of working in the field, as he was about to start with his morning prayer, he discovered that in he forgot his prayer book in his house for the first time. He felt sad and was so sorry. He paused for a moment wondering what to do. an idea came to him. And then he said this prayer with a serious, “A, B, C, D, E, F, G, H, I, J, K, L, … X, Y, Z… A, B, C, D, E, F, G, H, I, J, K, L, … X, Y, Z… (He recited the alphabet ten times.)” He continued, “Lord Jesus, you know these letters of the alphabet that I have just recited are arranged to form the words found in my prayer book at home. Can you be the one to arrange them for me?… Amen.” Then Anthon went on to work in his farm. On his way home late in the afternoon, an angel said, “You know Anthon, among the millions of prayers said by people today, it was your prayer really touched the heart of God. You made God!” This is a very interesting story on prayer. Indeed what matters is not the words, the heart.

36. (A) by (B) as (C) on (D) in
37. (A) while (B) at which (C) that (D) as
38. (A) amusement (B) secretary (C) harvest (D) inspiration
39. (A) as popular (B) more popular (C) that popularly (D) very popularly
40. (A) product (B) glow (C) branch (D) concrete

III. 文意選填 (10%)

Tihua street is one of the oldest markets that still exist. It is especially alive as the Chinese New Year. Holiday shoppers flock to this section of Taipei city to purchase Chinese goods and that are integral to the festival. To make shoppers more convenient, Tihua Street is sealed off the traffic. Thus, shoppers can enjoy the freedom to use the roadway, rather than merely the sidewalks. New Year and folk art performances along the street help put shoppers in the holiday spirit. Some shopkeepers offer discount to stimulate buying. A customer service center set up over there even provides aid in shoppers’ items. In 1996, there was Chinese New Year Shopping Festival. Taipei Mayor made a speech about the important role the street had played in the city’s history. Immediately, all the shops switched on their colorful neon signs to start the celebration. Also, photos of the area’s former glory were, creating a time tunnel for citizens.

36. (A) decorations (B) snacks (C) coupons (D) at times (E) traditional
37. (A) approaches (B) narrow (C) delivering (D) afterward (E) displayed
Octopuses are fascinating animals. During the 2010 FIFA World Cup, People worldwide were impressed with Paul, a brilliant German octopus, which correctly predicted the results of Germany’s games. Paul was presented with two boxes containing food in the form of a mussel, each box marked on the outside with the flag of a national football team in an upcoming match. Paul ate the mussel from the box with the flag of the winning team. His predictions were 100% correct for the 2010 World Cup.

Paul is astonishing, while other octopuses are highly intelligent as well. According to research, octopuses have an amazing ability to learn. They can remove lids from jars to get food and find their way through complicated mazes. Octopuses can also learn by observing. For example, scientists in Italy trained one group of octopuses to attack only the red balls in an aquarium containing both red and white balls. The scientists had a second group of octopuses watch. Later, when the observing group was shown red and white balls, they too went for the red ones.

Octopuses also have the ability to change color. Scientists now think that these color changes might be a form of communication. Scientists are studying this behavior, and in the future we may learn that octopuses can in fact “talk.” What would an octopus likely say if it could speak to a human? Perhaps something like, “Put down that fork, please.”

51. According to the passage, which statement about octopuses is TRUE? (A) Octopuses are the most intelligent marine animals. (B) Paul failed to predict the champion at 2010 World Cup. (C) Octopuses change their skin color to hide themselves. (D) Octopuses watch what others do and learn it.

52. According to the passage, which is NOT the ability of octopuses? (A) Observing. (B) Predicting. (C) Sweeping. (D) Color changing.

53. The underlined phrase “went for” means __________. (A) attacked (B) punished (C) watched (D) predicted

54. The author ends this passage in a humorous way to imply that ________. (A) octopuses have the ability to express themselves by talking (B) in many people’s eyes octopuses are simply tasty food (C) octopuses are strong fighters for humans (D) human beings should not farm octopuses

55. Which statement is TRUE? (A) We can hear sounds like roaring ocean waves by holding an hollow object to our ear. (B) We hear sound inside seashells because air flows through the shell. (C) We can hear roaring sound if the cup held up to our ear is filled with water. (D) After exercising, the sound we hear inside a cupped hand will be louder.

56. The underlined word “ocean” in paragraph two refers to __________. (A) a large area of salt water (B) the air in the soundproof room (C) the noise inside the shell (D) the recording of the ocean waves

57. The factors influencing the noise inside a shell DOES NOT include __________. (A) the level of surrounding noise (B) the angle of the shell from the ear (C) the distance of the shell from the ear (D) the amount of blood in blood vessels in our ears

58. At which location can we hear the loudest “ocean” sound? (A) A soundproof room (B) A noisy lobby (C) A quiet kitchen (D) A bedroom at midnight.
The president of National Taiwan University (NTU), the nation’s top university, encouraged students to be more open-minded and tolerant when it comes to personal criticism. NTU president Si-chen Lee made the statement in NTU’s 81st anniversary ceremony in response to National Central University (NCU) professor Daisy Hung’s criticism. Hung, in a recently published article, said that students at the university’s medical school were found being late to classes, dozing off, or eating instant noodles during class. Her sharp comments resulted in loud complaints and protests from some of the medical students, but NTU president Lee called on students to calm down. He thought students should study hard and prepare themselves to be the leaders of society. Especially now that the school is among the top 100 universities in the world, all people have higher expectations of them. It will be a pity if they waste the precious opportunities they have been offered. If they do something wrong, they should correct it. If they don’t, they should treat the criticism as advice, a reminder. They needn’t stress it nor belittle themselves. In this way, they can develop a more mature personality, which not only can tell the difference between right and wrong, but also can admire the accomplishment of others.

59. What is the main idea of this passage?
   (A) Professor Hung criticized medical students in NTU.
   (B) NTU medical students are against Professor Hung.
   (C) NTU celebrated the achievement of ranking among the world’s top 100 universities.
   (D) NTU students were advised by their president to take a positive attitude toward criticism.

60. What did Professor Hung criticize?
   (A) NTU medical students didn’t behave well in class.
   (B) NTU president shouldn’t be proud of NTU medical students.
   (C) NTU didn’t deserve the ranking.
   (D) The public expected too much of NTU students.

61. After hearing Professor Hung’s criticism, what is NTU students’ reaction?
   (A) Most students reflected on themselves.
   (B) Some students asked for educational reform.
   (C) Some students were angry about her comments.
   (D) More and more students studied harder.

62. What can be inferred from this passage?
   (A) People will no longer have high expectations of NTU after Professor Hung’s comment.
   (B) The NTU president hopes the students can correct their improper behavior.
   (C) Because of Hung’s criticism, NTU is likely to be removed from the list of top 100 universities.
   (D) Because of the NTU president’s encouragement, NTU students will not take Professor Hung’s comment seriously.

V. 文意字彙 (10%)
63. The young man is very c________s; he dares to travel in a desert alone.
64. The doctor t________ed one of the man’s kidneys into his wife.
65. On this sad o________n, let’s pray for the victims of the typhoon.
66. The singer felt e________ed when she slipped and fell in front of her fans.
67. The police asked the witness to make a d________n of what he had seen.
68. It was really romantic to have a c________t dinner with your beloved husband.
69. The room for rent is f________hed with a desk, an air-conditioner, and a bed.
70. The twin brothers r________e each other not only in appearance but in taste.
71. Nick a________ed his tie in the mirror before he went on a date with his girlfriend.
72. Of all the c________rs in The Lord of the Rings, I like the king, Aragorn, the best.

VI. 翻譯 (16%)
73. 因為持續不斷的努力，馬友友(Yo-yo Ma)成為世界知名的音樂家。
74. 直到老師氣到說不出話來我才知道我應該負責任。
75. 我一有空就會和我朋友一起到台灣某個地方旅行。
76. 自從 Tom 車禍受傷後，他就一直處在恐懼中。