A. Read the following passage and select the best answer for each question (2 points each).

Jupiter™ DECT Cordless Telephone System: Reader's Review

"This is one of the best cordless telephones we tested. With 10 channels, the user never has to worry about interference or static. A clear channel is just a push button away. The system also comes equipped with battery backup to maintain service during power outages, so you will never have to worry about being cut off from communication with the outside world during emergencies. Our favorite feature is the built-in answering machine. The Jupiter™ DECT phone is the only cordless phone we tested that had this feature. The answering machine includes remote message retrieval and a time/day marker for incoming messages. The recorded messages are easy to retrieve and save, and the sound is clear and comprehensible. The system comes equipped with a wall mount, though if you plan to hang your phone on the wall, we recommend considering some other models. The one drawback of this system is its large, clunky appearance. It looks fine on a desk or table, but hung on the wall it stands out like a sore thumb. Additionally, it is available in just two colors—black and white. If aesthetics is an important criterion for you, look at some of the models we review below. If clear sound and reliability at a reasonable price are what you are looking for in a cordless phone, we highly recommend the Jupiter™ DECT."

1.　What will happen to this telephone if the electrical power is interrupted?
　　A.　It will have to be repaired.
　　B.　It will automatically switch to a clear channel.
　　C.　It will be operated by a battery.
　　D.　It will not work during the interruption.

2.　How will the purchaser know when a message is recorded?
　　A.　The answering machine records the time and day.
　　B.　Callers must give the date and time of the message.
　　C.　The system includes a stamp for printed messages.
　　D.　The telephone provides a date-retrieval mode.

3.　What should the purchaser do if there is static on a channel?
　　A.　Retrieve a message
　　B.　Lower the volume control
　　C.　Activate the battery pack
　　D.　Switch channels

4. The word "remote" in this passage is closest in meaning to
   A. invisible
   B. control
   C. distant
   D. portable

B. Read the following passage and select the best answer for each question (2 points each).

To: All Stockholders
From: Jeniffer T.-C. Tsai
Subject: Proxy Votes

Dear Fellow Wolfconn Stockholder:

An Australian corporation controlled by J.B. Mudridge has begun a last-minute proxy fight to get you to vote against certain important proposals that your Board has unanimously approved and recommended for your support. The complete text of these proposals was forwarded to you last month as required by our bylaws. If you no longer have access to these and would like to read them again, you can download the proposals from the stockholders-only section of our website. Please have your account number or password ready when logging on to the site. You will also be able to view an explanation of why we believe that these proposals are in the best interests of the company and its stockholders.

This year alone, stockholders of more than one hundred publicly traded companies enthusiastically voted to adopt measures similar to those proposed to the stockholders of Wolfconn. Your directors have a fiduciary duty to all company stockholders. With this in mind, they have recommended these measures to protect your interests and maximize your stock values.

We believe your support of these proposals will assist your Board in attaining these important goals. Please go to our website and vote in favor of our proposals. The annual stockholders meeting will take place next Wednesday, September 15. In order to be counted, all proxy votes must be cast by midnight September 14. We appreciate your continued trust and support.

Best regards,

Jeniffer T.-C. Tsai
for the Wolfconn Board of Directors

5. Mudridge wants to get the votes of which of the following people?
   A. Those who cannot be at the meeting
   B. The Board of Directors
   C. Those stockholders in the proximity of Australia
   D. The Australian electorate

6. What kind of duty does Wolfconn have to the stockholder?
   A. Judicial
   B. Relating to trust
   C. Pecuniary
   D. Unique

7. What makes the Board apprehensive?
   A. Mudridge resigning
   B. Losing control
   C. Takeover by a public company
   D. Their unanimous decision

8. The word "adopt" in paragraph 2 is closest in meaning to
   A. leave out
   B. change
   C. take on
   D. replace

C. In each of the following questions, a related pair of words or phrases is followed by five lettered pairs of words or phrases. Select the lettered pair that best expresses a relationship similar to that expressed in the original pair. (2 points each)

9. SEDATIVE : DROWSINESS ::
   A. epidemic : contagiousness
   B. vaccine : virus
   C. laxative : drug
   D. anesthetic : numbness
   E. therapy : phychosis

10. LAWYER : COURTROOM ::
    A. participant : team
    B. commuter : train
    C. gladiator : arena
    D. senator : caucus
    E. patient : ward

11. CURIOSITY : KNOW ::
    A. temptation : conquer
    B. starvation : eat
    C. wanderlust : travel
    D. humor : laugh
    E. survival : live

12. FRUGAL : MISERLY ::
    A. confident : arrogant
    B. courageous : pugnacious
    C. famous : aggressive
    D. rash : foolhardly
    E. quiet : timid

13. ANTIDOTE : POISON ::
    A. cure : recovery
    B. narcotic : sleep
    C. stimulant : relapse
    D. tonic : lethargy
    E. resuscitation : breathing

14. STYGIAN : DARK ::
    A. abysmal : low
    B. cogent : contentious
    C. fortuitous : accidental
    D. reckless : threatening
    E. cataclysmic : doomed

15. WORSHIP : SACRIFICE ::
    A. generation : pyre
    B. burial : mortuary
    C. weapon : centurion
    D. massacre : invasion
    E. prediction : augury

16. EVANESCENT : DISAPPEAR ::
    A. transparent : penetrate
    B. onerous : struggle
    C. feckness : succeed
    D. illusory : exist
    E. pliant : yield
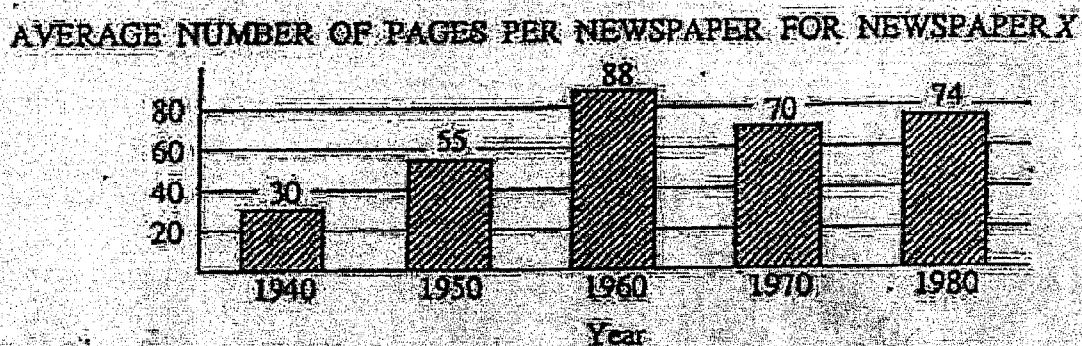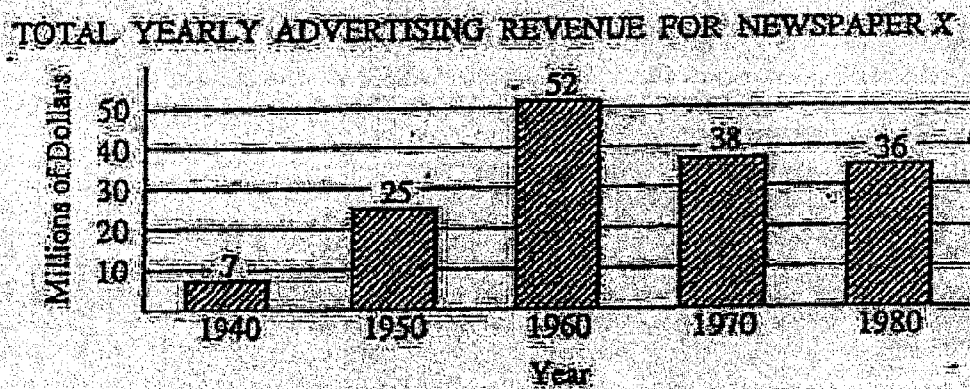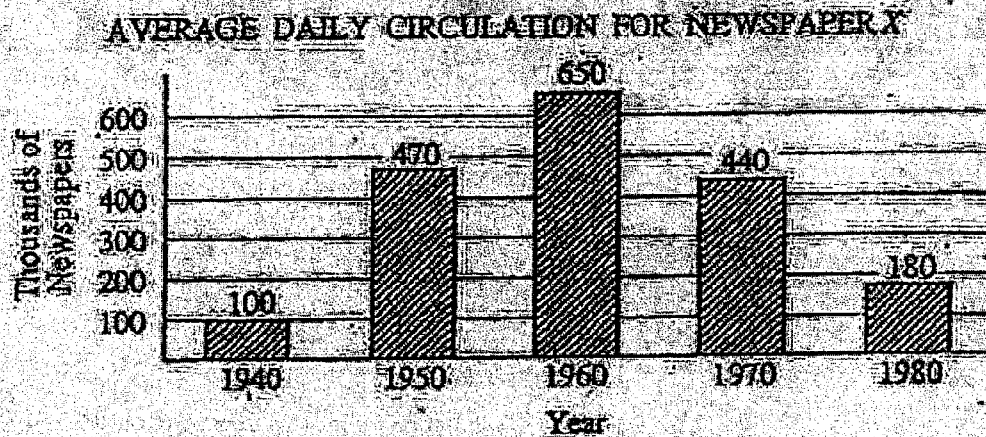
D.　Each of the Questions 17-23 has five answer choices. For each of these questions, select the best of the answer choices given. (2 points each)

Questions 17-21 refer to the following graphs.

AVERAGE DAILY CIRCULATION FOR NEWSPAPER X

TOTAL YEARLY ADVERTISING REVENUE FOR NEWSPAPER X

AVERAGE NUMBER OF PAGES PER NEWSPAPER FOR NEWSPAPER X

17 In how many of the years shown was the average number of pages per newspaper at least twice as much as the average in 1940?

    A. Four

    B. Three

    C. Two

    D. One

    E. None

18　In 1950, if the printing cost per newspaper was $0.05, what would have been the total cost of printing the average daily circulation?

    A. $32,500

    B. $26,000

    C. $23,500

    D. $22,000

    E. $2,600

19　In 1980 the number of dollars of advertising revenue was how many times as great as the average daily circulation?

    A. 500

    B. 200

    C. 100

    D. 50

    E. 20

20.　The percent decrease in average daily circulation from 1960 to 1970 was approximately

    A. 10%

    B. 12%

    C. 20%

    D. 26%

    E. 32%

21.　Which of the following statements can be inferred from the data?

    I.　The greatest increase in total yearly advertising revenue over any 10-year period shown was $27 million.

    II.　In each of the 10-year periods shown in which yearly advertising revenue decreased, average daily circulation also decreased.

    III.　From 1970 to 1980 the average number of pages per newspare increased by 10.

    A. I only

    B. II only
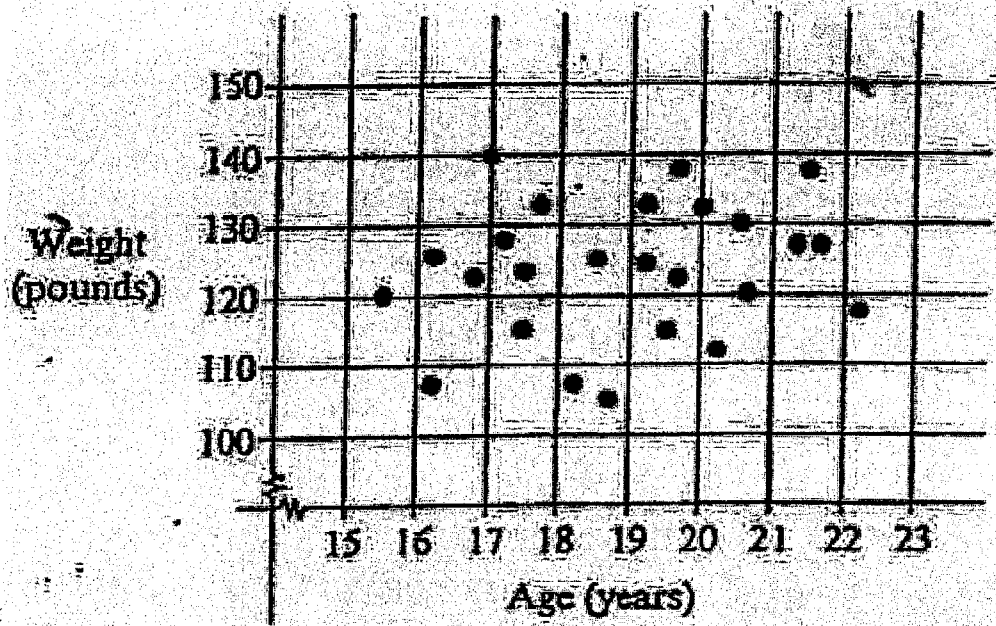
    C. III only

    D. I and II

    E. II and III

Questions 22-23 refer to the following graph.

22. The dots on the graph above indicate age and weight for a sample of 25 students. What percent of these students are less than 19 years old and weight more than 110 pounds?

    A. 36%

    B. 40%

    C. 44%

    D. 48%

    E. 52%

23. The greatest number of diagonals that can be drawn from one vertex of a regular 6-sided polygon is

    A. 2

    B. 3

    C. 4

    D. 5

    E. 6

E Each of the Questions 24-33 has four answer choices. For each of these questions, select the best of the answer choices given. (2 points each)

24. When driving, make sure to fasten your seat belt. By so doing, you can avoid being seriously hurt if a car crash _____.

    A. should happen

    B. would happen

    C. happened

    D. has happened

25. I received a call _____ to speak to Mr. Yang."You have the wrong number," T replied. But the speaker continued talking to me as if I were Mr. Yang.

    A. to want

    B. wanting

    C. wanted

    D. and wanted

26. This problem is quite difficult, I cannot _____ it _____. I am still puzzling over it.

    A. figure ... out

    B. wipe ... out

    C. bring .... Out

    D. play ... down

27. Two nights without sleep has really _____ me _____. I think I must get a good night's sleep.

    A. turned... off

    B. cooled ... down

    C. cheered ... up

    D. burned ... out

28. Buses in the mountainous area are _____;they come at an interval of about two hours.

    A. few and far between

    B. on hand

    C. in bad repair

    D. out of service

29. The police officer shot the robber in his leg while he _____ to escape. Then the police officer went over to the robber and arrested him.

    A. was trying

    B. tried

    C. has been trying

    D. would try

30. It is believed that your last name gives a hint about your ancestors' job. For example, if your last name is "Cook", then your great grandfather _____ a cook.
    A. might be
    B. shall be
    C. might have been
    D. should have been

31. The distribution of wealth is very uneven in that country. Most of the wealth is in the hands of a privileged few, _____ the majority are stricken with poverty.
    A. if
    B. while
    C. because
    D. when

32. The Taiwanese team is contending _____ the championship with the team from Japan. It is a very fierce competition, so the spectators are cheering both sides on.
    A. at
    B. for
    C. on
    D. against

33. People tend to feel unhappy because someone has something that that would like, however, _____ can ruin relationship and cause problems at work.
    A. suspicion
    B. curiosity
    C. jealousy
    D. hostility

F. Translations (翻譯) 寫翻譯題答案，字體要清晰，標點符號要正確，英翻中的答案不能含英文，中翻英的答案不能含中文。違反答題規定者，扣該題分數。

34. (英翻中 10%) The English language learning environment in Taiwan is nicer than it seems. It goes without saying that cable television, radio, and the Internet provide the people in Taiwan with rich native English language learning resources. For the more serious learners, the variety of English language print media available provides them with very authentic materials that can be their fast track guides to a higher level of competence. Once the English language learners begin to express ideas in spoken English, they can stimulate themselves to reach a practical level of oral proficiency.

35. (中翻英 10%) 嵌入式系統結合系統軟體，應用軟體和電腦硬體。舉凡行動電話、提款機、微波爐、先進醫療設備、多媒體影音設備等日常生活電子產品，均可見到嵌入式系統的應用。嵌入式系統的教學包含微處理機原理與應用、作業系統、電腦網路、電腦硬體、和驅動程式開發。

36. (中翻英 5%) 為了提昇台灣的大學教育品質，老師在教學時應激發學生的興趣與潛力，並且鼓勵學生的主動性與積極性，以提昇學生的學習效果。

37. (中翻英 9%) 我們提出來的演算法，比起劉(Liu)等人的演算法，具有更好的效能表現。具體而言，我們的演算法有較佳的時間複雜度。此外我們的演算法也能導致較低的平均使用者等待時間。模擬結果顯示，網路流量越大，我們的演算法與劉(Liu)等人的演算法之間的效能差異越大。