

科目：英文 適用：中文系二 外文系二 歷史系二 教政系二 國企系二 土木系二 電機系二 應化系二

編號：11E 12E 14E 17E 21E 32E 33E 34E

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說明：

1. 答案必須填在答案卡上，寫在本試題卷上不予計分。
2. 請以2B鉛筆作答。若以原子筆作答則不得塗改。
3. 禁止使用任何型式的字典。
4. 本英文試題共85題單選題，1至70題每題一分，71至85題每題兩分。

## I. Vocabulary (30 %)

1. Mr. Collins does not like any visitors, and he is annoyed by the interloping of the stranger.  
(A) inference (B) intrusion  
(C) injunction (D) instruction
2. We had to start at exactly the same time, so we had our watches checked.  
(A) transfixed (B) stabilized  
(C) temporized (D) synchronized
3. All the teachers should warn the students against being tardy.  
(A) rally (B) jut  
(C) demur (D) admonish
4. We have had a whole month of incessant rain.  
(A) capricious (B) impeccable  
(C) unceasing (D) prolific
5. The pact between them has been approved.  
(A) ratified (B) suspended  
(C) violated (D) dwindled
6. A passer-by put his life in danger to save the boys swimming in the river.  
(A) mortified (B) bolstered  
(C) infuriated (D) jeopardized
7. They dissent from the majority opinion.  
(A) agree with (B) disagree with  
(C) dissuade from (D) associate with
8. Both pilots died in the collision.  
(A) coincidence (B) crash  
(C) congregation (D) cavity
9. Sally always tries to emulate her older sister.  
(A) imitate (B) surpass  
(C) mock (D) scold
10. The factory workers made inordinate demands.  
(A) scarce (B) reasonable  
(C) crazy (D) excessive
11. The meat looked red and succulent when it was taken from the oven.  
(A) juicy (B) neat  
(C) sticky (D) dehydrated
12. A turbulent storm was a major factor in the defeat of the Spanish Armada.  
(A) mysterious (B) pathetic  
(C) violent (D) noxious
13. The reporter cruelly exposed the celebrity's private life.  
(A) nobly (B) carelessly  
(C) heartlessly (D) accurately
14. The bedrock on which psychoanalysis rests is a belief in the unconscious.  
(A) impasse (B) foundation  
(C) bias (D) viewpoint
15. Jack gave away his excess building materials.  
(A) grizzly (B) surplus  
(C) infinite (D) deficient
16. Numerous parallels exist between Ernest Hemingway's life and the lives of his characters.  
(A) studies (B) problems  
(C) similarities (D) biases
17. The original canal was twice broadened for the larger modern boats.  
(A) rerouted (B) widened  
(C) reinforced (D) tested
18. In April, 1942 the United States War Production Board halted nonessential construction in order to safeguard the supply of materials for the war effort.  
(A) inventory (B) search out  
(C) protect (D) inspect
19. Each member of the committee helped to gather the information contained in the report.  
(A) surmount (B) consign  
(C) compile (D) devise
20. His qualifications surpass the job requirements.  
(A) encompass (B) ascend  
(C) exceed (D) aid
21. Intellectual curiosity acts as an impelling force in science.  
(A) a deterrent (B) a motivating  
(C) a resilient (D) a refining
22. The cost of living in nearly every country in the world has skyrocketed in the past ten years.  
(A) increased slowly (B) leveled off  
(C) grown steadily (D) risen rapidly
23. One cause of the Civil War was economic and political rivalry between the agrarian South and the industrial North.  
(A) prosperous (B) old-fashioned  
(C) agricultural (D) poorly organized
24. The pupil of the human eye dilates when the level of light is low.  
(A) reacts (B) focuses  
(C) expands (D) numbs

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25. In order to maintain physical well-being, a person should eat wholesome food and get sufficient exercise.  
(A) healthful (B) fresh  
(C) well-cooked (D) delicious
26. In economics, graphs are used to illustrate functions.  
(A) rate (B) list  
(C) verify (D) represent
27. Soil formation is extremely slow, especially in its early stages.  
(A) initial (B) premature  
(C) latent (D) conceptual
28. In mountainous regions, much of the snow that falls is compacted into ice.  
(A) broken down (B) embedded  
(C) compiled (D) compressed
29. Generally, a material with a sour taste, such as vinegar or lemon juice, contains an acid.  
(A) a tart (B) an oily  
(C) a fruity (D) a bland
30. A major characteristic of parliamentary government is the fusion of executive and legislative power in one body.  
(A) fixing (B) strength  
(C) union (D) alignment
31. Author Edith Wharton thoroughly understood the society \_\_\_\_\_.  
(A) she had grown up  
(B) which had she grown up in  
(C) in which she had grown up  
(D) she had grown up in it
32. Neon is said to be inert \_\_\_\_\_ does not react easily with other substances.  
(A) because of it (B) because it  
(C) it is because (D) is because it
33. Nearly every aspect of economic life is affected by \_\_\_\_\_.  
(A) they are seasonal variations  
(B) variations are seasonal  
(C) that seasonal variations  
(D) seasonal variations
34. Microscopes make small things appear larger than \_\_\_\_\_.  
(A) really are (B) are really  
(C) are they really (D) they really are
35. Social reformer Jane Addams \_\_\_\_\_ a prominent role in the formation of the National Progressive Party in 1912.  
(A) playing (B) who played  
(C) played (D) to play
36. From birth, nightjar chicks solicit food by walking to the front of an adult bird, reaching up, and \_\_\_\_\_.  
(A) they peck at its bill (B) peck at its bill  
(C) pecking at its bill (D) at its bill they peck
37. \_\_\_\_\_, glasses can correct most sight defects in healthy eyes.  
(A) When well fitted (B) Well fitted when  
(C) Well fitted if (D) If well fitted when
38. Jim Thorpe, Pennsylvania, a town in the eastern part of the state, was named \_\_\_\_\_ one of the greatest American athletes.  
(A) in honor of (B) the honors  
(C) for honored (D) to honoring
39. Ball-point pens require \_\_\_\_\_ than fountain pens do.  
(A) the thicker the ink (B) an ink and thicker  
(C) a thicker ink (D) the ink is thicker
40. \_\_\_\_\_ took office as the first Superintendent of Public Instruction for the territory of New Mexico.  
(A) J. Francisco Chaves, who  
(B) If J. Francisco Chaves  
(C) J. Francisco Chaves  
(D) In that J. Francisco Chaves
41. The city of Montreal \_\_\_\_\_ over 70 square miles.  
(A) covers (B) that covers  
(C) covering (D) is covered
42. \_\_\_\_\_ he has created striking stage settings for the Martha Graham dance company, artist Isamu Noguchi is more famous for his sculpture.  
(A) But not (B) Nevertheless  
(C) In spite of (D) Although
43. A logarithm is \_\_\_\_\_ in algebra as an exponent.  
(A) known what (B) known what it is  
(C) what is known (D) what it is known
44. New York's Statue of Liberty was designed to be a beacon for ships and a monument \_\_\_\_\_.  
(A) the two (B) in addition to  
(C) as well (D) together
45. Automata programmed to perform a given task \_\_\_\_\_ the flexibility and adaptability of human beings.  
(A) without (B) lack  
(C) minus (D) not having

## II. Structure (15 %)

**Directions:** Questions 31-45 are incomplete sentences. Beneath each sentence you will see four words or expressions, marked (A), (B), (C), and (D). Choose the one word or phrase that best completes the sentence.

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## III. Written Expression (25 %)

**Directions:** In questions 46-70, each sentence has four underlined words or phrases marked (A), (B), (C), and (D). Identify the part that must be changed in order for the sentence to be grammatically correct.

46. Body temperature is usually highest inside the afternoon or evening.  
A B C D
47. Marine biology, the study of oceanic plant and animals and their ecological relationships, has furthered the efficient development of fisheries.  
A B C D
48. The advantages of computerized typing and editing are now being extending to all the written languages of the world.  
A B C D
49. Adult education programs must be designed so the diverse needs of the participants in mind.  
A B C D
50. At end of the Civil War the United States was ready to resume with a roaring surge the westward expansion which had been interrupted for four years.  
A B C D
51. Bookkeepers maintains detailed records of business transactions.  
A B C D
52. Many people are unawares that prairies once existed in what is now the state of Michigan.  
A B C D
53. Most talc is used in ceramics and roofing because it resists fire good.  
A B C D
54. A critical question about the monolithic stone statues of Easter Island is "Why they were all made alike?"  
A B C D
55. Oberlin College awards degrees to both sexes as early as 1837, but coeducation in American colleges did not spread until the second half of the century.  
A B C D
56. Ordinary a tornado breaks up suddenly and dissipates less than four hours after it has formed.  
A B C D
57. The period during when people learned to smelt iron is called the Iron Age.  
A B C D
58. Though Art Tatum was totally blind in one eye and had only slight vision in another, he became an internationally renowned jazz musician.  
A B C D
59. Operation PUSH, founded in 1971 by the Reverend Jesse Jackson, provides educational assistance to children live in economically depressed communities.  
A B C D

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60. Industrial management is the aspect of business management that was most prominent in the United States for the past eighty years.  
A B C D
61. Sharing corporate stocks with employees can be an effective way to promote harmonious, efficiency, and equitability in the workplace.  
A B C D
62. Tons of boulders were leaved scattered by glaciers all over what was to become the New England landscape.  
A B C D
63. The way of reasoning whereby people do conclusions by logical inference from given premises is called the deductive method.  
A B C D
64. Earlier or later, all lakes are influenced by eutrophication, a process in which lake sediment lowers the depth of the water and drains oxygen from it.  
A B C D
65. Jekyll Island has been one of Georgia's state parks in 1954.  
A B C D
66. Helen Vendler's essays present key insights into and vital analyses the works of major British and American authors.  
A B C D
67. Bells are frequently made from bronze, an alloy of approximately three part copper and one part tin.  
A B C D
68. Some small magazines are put out by two or three persons, but the big, general publication are tremendously complicated operations.  
A B C D
69. The leaves of the yucca are usually point, stiff, and narrow, with sawlike or fibrous edges.  
A B C D
70. Documentary evidence indicates that portraiture became an established art form in the Hudson Valley region around the 1660.  
A B C D

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## IV. Reading Comprehension (30 %)

## A. Questions 71-80

According to some scientists, migratory birds should be able to withstand the winter. A bird's feathery coat is good insulation against the cold. Because a bird is warm-blooded, its body temperature always remains constant, even if the temperature of its surroundings changes.

Line

(5) The factors that trigger migratory behavior in birds are difficult to explain. This behavior seems to be instinctive, not learned. For example, many northern species leave their summer homes while the weather is still warm and the food supply plentiful. Young arctic terns born at the arctic breeding grounds will take off with the flock for distant lands they have never seen.

(10) Bird migrations are probably regulated by the glandular system. Scientists suspect that the changing length of the day is the factor that triggers migratory behavior. In an experiment, migratory birds were kept in artificially lighted rooms. It was found that if periods of darkness were lengthened proportionately, the glands of the birds became active. These glands secrete hormones, which are chemicals that control numerous body functions. Shorter periods of daylight seem to change the hormone balance of birds, so that they retain more fat. This stored fat is the fuel that provides the energy for a long flight. The same experiment revealed that the birds became more excited as the artificial night was lengthened. It is probably no coincidence that most flocks begin their migratory flights during the night.

71. What does the passage mainly discuss?
  - (A) Common migratory paths for birds
  - (B) Why birds migrate
  - (C) Species of birds that do not migrate
  - (D) Migration in cold climates
72. The word "withstand" in line 1 is closest in meaning to \_\_\_\_\_.
  - (A) prefer
  - (B) tolerate
  - (C) regulate
  - (D) understand
73. According to the passage, which of the following protects birds against cold weather?
  - (A) Glands
  - (B) Hormones
  - (C) Feathers
  - (D) Artificial light
74. The word "constant" in line 3 is closest in meaning to \_\_\_\_\_.
  - (A) invariable
  - (B) persistent
  - (C) predictable
  - (D) responsive
75. The word "its" in line 3 refers to \_\_\_\_\_.
  - (A) temperature
  - (B) cold
  - (C) coat
  - (D) bird
76. In lines 7-9, the author mentions young arctic terns as an example of birds that \_\_\_\_\_.
  - (A) do not migrate
  - (B) breed during migration
  - (C) migrate instinctively
  - (D) adapt to the cold
77. The word "they" in line 16 refers to \_\_\_\_\_.
  - (A) glands
  - (B) birds
  - (C) body functions
  - (D) hormones
78. According to the passage, birds exposed to longer periods of darkness experience all of the following changes EXCEPT \_\_\_\_\_.
  - (A) activated glands
  - (B) excited behavior
  - (C) retention of more fat
  - (D) increased appetite
79. In the experiment mentioned in the passage, the scientists adjusted the birds' \_\_\_\_\_.
  - (A) food supply
  - (B) body temperatures
  - (C) exposure to light
  - (D) brain chemistry
80. Where in the passage does the author mention the substance that enables birds to fly long distances?
  - (A) Lines 2-4
  - (B) Lines 5-7
  - (C) Lines 10-11
  - (D) Lines 16-17

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## B. Questions 81-85

What makes it rain? Rain falls from clouds for the same reason anything fall to Earth. The Earth's gravity pulls it. But every cloud is made of water droplets or ice crystals. Why doesn't rain or snow fall constantly from all clouds? The droplets or ice crystals in clouds are exceedingly small. The effect of gravity on them is minute. Air currents move and lift droplets

(5) so that the net downward displacement is zero, even though the droplets are in constant motion.

Droplets and ice crystals behave somewhat like dust in the air made visible in a shaft of sunlight. To the casual observer, dust seems to act in a totally random fashion, moving about chaotically without fixed direction. But in fact dust particles are much larger than water droplets and they finally fall. The average size of a cloud droplet is only 0.0004 inch in diameter. It is so

(10) small that it would take sixteen hours to fall half a mile in perfectly still air, and it does not fall out of moving air at all. Only when the droplet grows to a diameter of 0.008 inch or larger can it fall from the cloud. The average raindrop contains a million times as much water as a tiny cloud droplet. The growth of a cloud droplet to a size large enough to fall out is the cause of rain and other forms of precipitation. This important growth process is called "coalescence."

81. What is the main topic of the passage?

- (A) The mechanics of rain
- (B) The weather patterns of North America
- (C) How Earth's gravity affects agriculture
- (D) Types of clouds

82. The word "minute" in line 4 is closest in meaning to \_\_\_\_.

- (A) second
- (B) tiny
- (C) slow
- (D) steady

83. The word "motion" in line 5 is closest in meaning to \_\_\_\_.

- (A) wind
- (B) change
- (C) movement
- (D) humidity

84. Ice crystals do NOT immediately fall to Earth because \_\_\_\_.

- (A) they are kept aloft by air currents
- (B) they combine with other chemicals in the atmosphere
- (C) most of them evaporate
- (D) their electrical charges draw them away from the earth

85. The word "random" in line 7 is closest in meaning to \_\_\_\_.

- (A) unpredictable
- (B) perplexing
- (C) independent
- (D) abnormal