

科目：英 文(4003)

校系所組：中大認知與神經科學研究所

陽明神經科學研究所認知神經科學組

11. Not until the airplane had reached cruising altitude _____ the light.
a. did the trainer turn off c. the trainer turned off
b. the trainer did turn off d. turned off the trainer
12. Smith found that distant galaxies are probably about 20 times _____ away than he had inferred.
a. further c. more farther
b. farther d. more further
13. The workshop last week was _____ the one I attended last month in that both dealt with how to prepare for a grant proposal.
a. similar as c. as
b. similar to d. alike
14. If John continues to ignore the rules of our company, there will not be _____ chance of him being promoted.
a. no c. any
b. more d. some
15. It's the first school in Scotland to become self-governing, and has _____ deep concerns in the local community.
a. rised c. raisen
b. risen d. raised
16. A quarter of Primary Two students _____ to reach the basic competency level in English in the first comprehensive test carried out across Singapore.
a. have been failing c. failed
b. has been failing d. are failing
17. Socrates, one of the greatest philosophers, _____, the leading cultural and intellectual city in ancient Greece.
a. of Athens c. he lived in Athens
b. living in Athens d. lived in Athens
18. Rather than being openly confrontational with his parents, James just quietly-and perhaps unconsciously-refused to _____ their demands.
a. comply by c. abide after
b. comply with d. abide from
19. Many emphysema patients are sent by their doctors to breathe the clean, _____ air in this mountain area.
a. devastating c. invigorating
b. stimulating d. debilitating
20. George Goodman is famous for starting up an Internet company before he was seventeen, as well as _____ a millionaire before he turned twenty.

注意：背面有試題

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- a. he became
b. becoming
c. that he became
d. for he became

Cloze Test (每題2分)

Although Canada has two official languages --French and English--it is not a 21 country. Only about 16 percent of Canadians can speak both languages well. It is, as many Canadians say, a land of "two solitudes," two peoples who 22 understand one another.

The Official Languages Act of 1969 23 the Canadian government to offering services in both French and English, where numbers warrants, and to 24 the vitality of French--and English-speaking communities where they are in the minority.

Under the law, package labels 25 Canada are in both languages, and government agencies try to have a French-speaker available. Telephone calls in French to health, tax and police agencies in Manitoba--26 a branch of the Royal Canadian Mounted Police--all ended with a French-speaking employee on the line.

- ___ 21. What is the best choice for No.21?
a. monolingual
b. bilingual
c. trilingual
d. mother tongue
- ___ 22. What is the best choice for No.22?
a. happily
b. easily
c. otherwise
d. hardly
- ___ 23. What is the best choice for No.23?
a. infringes
b. commits
c. deters
d. commemorates
- ___ 24. What is the best choice for No.24?
a. to be enhanced
b. to enhance
c. enhancing
d. enhanced
- ___ 25. What is the best choice for No. 25?
a. within
b. across
c. along
d. come with
- ___ 26. What is the best choice for No.26?
a. among
b. such
c. working into
d. including

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China's effort to keep sensitive information from 27 its citizens is the envy of every authoritarian regime in the world, but it is 28 to hold up over the long run. The sheer 29 of messages, the architecture of the Internet itself and the 30 of Internet users are already overwhelming state censors. China's leaders understand this. That's why they are increasingly relying on private firms to do their dirty work, 31 speech and turning over the identity of citizens who use the Internet as an organizing 32. The Great Firewall of China is not the state's only weapon; there is also Censorship Inc.

- ___ 27. What is the best choice for No.27?
 a. harassing
 b. touching
 c. reaching
 d. attaining
- ___ 28. What is the best choice for No.28?
 a. probable
 b. unlikely
 c. nevertheless
 d. believed
- ___ 29. What is the best choice for No.29?
 a. edition
 b. volume
 c. content
 d. level
- ___ 30. What is the best choice for No.30?
 a. cleverness
 b. hard work
 c. persecution
 d. mistreatment
- ___ 31. What is the best choice for No.31?
 a. mentoring
 b. exporting
 c. importing
 d. blocking
- ___ 32. What is the best choice for No.32?
 a. warehouse
 b. institute
 c. function
 d. tool

Reading Comprehension (每題2分)

Not long ago, experiments showed that birds rely on the sun to guide them during daylight hours. But what about birds that fly by night? Tests with artificial stars have proved that certain night-flying birds are able to follow the stars in their long-distance flights.

A dove had spent its lifetime in a cage and had never flown under a natural sky. Yet it showed an inborn ability to use the stars for guidance. The bird's cage was placed under an artificial star-filled sky. The bird tried to fly in the same direction as that taken by his outdoor cousins. Any change in the position of the artificial stars caused a change in the direction of his flight.

But the stars are apparently their principal means of navigation. When the stars are hidden by clouds, they apparently find their way by such landmarks as mountain ranges, coast lines, and river courses. But when it is too dark to see these, the doves circle helplessly, unable to find their way.

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- _____ 33. The reason why birds don't get lost on long flights _____.
- | | |
|--------------------------------------|--------------------------------------------|
| a. has been known for years | c. is known by scientists but not everyone |
| b. has only recently been discovered | d. will probably remain a mystery |
- _____ 34. Which of the followings is NOT used by doves as a tool of navigation at night?
- | | |
|--------------|-----------|
| a. stars | c. woods |
| b. mountains | d. rivers |
- _____ 35. During daylight hours, birds _____.
- | | |
|------------------------------|-----------------------------|
| a. fly nowhere and aimlessly | c. use the sun for guidance |
| b. need landmarks | d. tend to get lost easier |
- _____ 36. By "his outdoor cousins" the author means _____.
- | | |
|--------------------------------------|--------------------|
| a. doves under natural sky | c. any other birds |
| b. the other doves of the same brood | d. other species |

One of the most dangerous drugs for pregnant women to consume is alcohol. Because alcohol is delivered quickly into the blood and passes quickly into the tissues and membranes, the human fetus is particularly vulnerable to its effects. In fact, the negative effects on a fetus are so pronounced that babies born after exposure to alcohol are said to be suffering from fetal alcohol syndrome.

As a pregnant woman drinks alcohol, the alcohol is passed into her bloodstream almost simultaneously. Moreover, because the bloodstream of the fetus is inextricably tied to that of the mother, the alcohol passes directly into the bloodstream of the fetus as well. And, what is more, the concentration of alcohol in the fetus is exactly the same as in the mother.

For the mother, this concentration is not a problem because her liver can remove one ounce of alcohol from her system per hour. However, the fetus's liver is not completely developed (how developed it depends on its stage of development). The rate at which it is able to eliminate the alcohol from the blood of the fetus is much slower. Eventually, the alcohol will be returned to the mother's system by passing across the placenta, but this process is slow. By the time this takes place, major neurological damage may have already occurred. Research has shown that as little as one drink of alcohol can produce significant, irreversible damage to the fetus. Babies born after exposure to alcohol generally exhibit facial distortion, inability to concentrate, and difficulty in remembering. Simply speaking, it is **imperative** that pregnant women avoid alcohol.

- _____ 37. What is the best topic for this reading?
- | | |
|----------------------------|-----------------------------|
| a. Fetus and human body | c. The dangers of pregnancy |
| b. The dangers of drinking | d. The fetus and alcohol |
- _____ 38. How much time can it be inferred that it takes alcohol to enter the bloodstream of a fetus?
- | | |
|--------------------|------------------|
| a. several minutes | c. an hour |
| b. a couple months | d. a few seconds |
- _____ 39. The word **imperative** can be replaced by _____.
- | | |
|----------------|---------------|
| a. fundamental | c. basic |
| b. crucial | d. underlying |
- _____ 40. Which of the following statements is correct?
- | | |
|------------------------------------------------------------------------------------------|------------------------------------------------------|
| a. The development of a fetal liver depends on how much alcohol the mother has consumed. | c. Alcohol may cause neurological damage to a fetus. |
|------------------------------------------------------------------------------------------|------------------------------------------------------|

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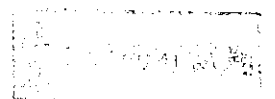
參考用

- b. An alcoholic mother may give birth to a baby with increased aggression. d. The concentration of alcohol in a fetus is less compare to that in the mother.

As far back as 700 D.C., man has talked about children being cared for by wolves. Romulus and Remus, the legendary twin founders of Rome, were **purported** to have been cared for by wolves. It is believed that when a she-wolf loses her litter, she seeks a human child to take its place. The seemingly **preposterous** idea did not become credible until the late nineteenth century when a French doctor actually found a naked ten-year-old boy wandering in the woods. He did not walk erect, could not speak intelligibly, nor could he relate to people. He only growled and stared at them. Finally the doctor won the boy's confidence and began to work with him. After many long years of devoted and patient instruction, the doctor was able to get the boy to clothe and feed himself, recognize and utter a number of words, as well as write letters and form words.

- ___ 41. It can be inferred from the passage that the boy found by the French doctor _____.
- a. was abandoned by his parents c. was not able to survived in the forests
b. was raised by wolves d. grew up by himself
- ___ 42. The word **purported** in this passage can be replaced by _____.
- a. claimed c. delivered
b. forced d. wondered
- ___ 43. The doctor was finally able to help the boy to utter a number of words because _____.
- a. the boy was literate c. the boy was human being
b. the doctor was knowledgeable d. the doctor won the boy's trust
- ___ 44. The word **preposterous** in this passage means _____.
- a. serious c. vital
b. silly d. harmful
- ___ 45. Which of the following statements is NOT true?
- a. Examples of human raised by wolves could be found as far back as 700 D.C.. c. When the French doctor first found the boy, the boy did not walk in a straight upright position.
b. She-wolves have been believed to substitute human children for their lost baby wolves. d. Some people believe that the founders of Rome were raised by wolves.

Animals have an intuitive awareness of quantities. They know without analysis the difference between a number of objects and a smaller number. In his book *The Natural History of Selbourne* (1786), the naturalist Gilbert White tells how he surreptitiously removed one egg a day from a plover's nest, and how the mother laid another egg each day to make up for the missing one. He noted that other species of birds ignore the absence of a single egg but abandon their nests if more than one egg has been removed. It has also been noted by naturalists that a certain type of wasp always provides five--never four, never six--caterpillars for each of their eggs so that their young have something to eat when the eggs hatch. Research has also shown that both mice and pigeons can be taught to distinguish between odd and even numbers of food pieces.



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These and similar accounts have led some people to infer that creatures other than humans can actually count. They also point to dogs that have been taught to respond to numerical questions with the correct number of barks, or to horses that seem to solve arithmetic problems by stomping their hooves to the proper number of times.

Animals respond to quantities only when they are connected to survival as a species--as in the case of the eggs--or survival as individuals--as in the case of food. There is no transfer to other situations or from concrete reality to the abstract notion of numbers. Animals can "count" only when the objects are present and only when the numbers are small--not more than seven or eight. In lab experiments, animals trained to "count" one kind of object were unable to count any other type. The objects, not the numbers, are what interest them. Animals' admittedly remarkable achievements simply do not amount to evidence of counting, nor do they reveal more than innate instincts, refined by the genes of successive generations, or the results of clever, careful conditioning by trainers.

- ___ 46. According to this reading, which of the following statements is TRUE?
- | | |
|-----------------------------------------------------------------------------|-------------------------------------------------------------|
| a. Animals can count when there is assistance. | c. Research has shown that mice and pigeons can count best. |
| b. Animals cannot actually count, although they may be aware of quantities. | d. Animals can be trained to count. |
- ___ 47. Gilbert White found from his experiment that the mother plover laid another egg when _____.
- | | |
|--------------------------|-------------------------------------------------|
| a. an egg was stolen | c. Gilbert White asked her to |
| b. she saw Gilbert White | d. Gilbert White changed the position of an egg |
- ___ 48. The word "arithmetic" is closest in meaning to _____.
- | | |
|---------|--------------|
| a. math | c. biology |
| b. art | d. chemistry |
- ___ 49. The phrase "amount to" is closest in meaning to _____.
- | | |
|---------------|-------------|
| a. seem to be | c. change |
| b. challenge | d. equal to |
- ___ 50. All of the followings respond to quantities when they are connected to survival as a species EXCEPT
- | | |
|-------------|------------|
| a. wasps | c. plovers |
| b. penguins | d. pigeons |