

Mata Pelajaran : B. Inggris
Tahun : 2008

Text 1

Fiberscopes are one of the most important outcomes of the science of fiber optics. Fibers made of glass and transparent acrylic plastic are capable of conveying light energy, and when thousands of these fibers are combined in what is called a fiberscope, they can transmit images. The most common fiberscopes contain about 50,000 fibers, each 0.001 centimeter, or 10 microns, in diameter. For certain uses, the diameter of the fiber may be as small as 5 microns.

Fiberscopes have a wide range of applications. In the medical field, physicians use fiberscopes to examine internal organs and as an aid in delicate surgeries. Miniature probes have also been developed to view muscle fiber, skin tissue, and blood cells. Fiberscopes have also found varied uses in industry, particularly to inspect or control operations in inaccessible areas. Bundles of fiberscopes fused together in a solid plate, called a faceplate, are being used in the manufacture of television picture tubes and other cathode-ray tube devices.

The most far-reaching applications of fiber-optic technology are in communications. Optical fibers carry voice messages for telephone service. The sound of the voice is electronically broken down into thousands of pulses per second, which causes a transmitting laser to send coordinated pulses of light through the optical fibers. At the receiving end, the light pulses are converted to electrical signals and the voice message is reconstructed. Light-wave communication systems can handle an immensely greater number of telephone calls and television programs than the current system, and they will form the basis of the "electronic superhighway" expected to crisscross the nation in the near future of the information age.

51. How do optical fibers carry voice messages?
- A. By fusing bundles of fiberscopes into a faceplate.
 - B. By converting electrical signals to light pulses.
 - C. By sending coordinated electrical pulses through optical fibers.
 - D. By using cathode-ray tube devices.
 - E. By far-reaching applications of fiber-optic technology.
52. Approximately how many fibers does a fiberscope contain?
- A. 750,000
 - B. 50,000
 - C. 1,000,000
 - D. 500,000
 - E. 25,000
53. The word "inaccessible" in the fourth sentence of paragraph 2 means _____
- A. difficult to find
 - B. extremely small
 - C. cannot be accepted
 - D. impossible to climb
 - E. hard to reach

54. It can be inferred from the passage that fiberscopes _____
- A. have more uses in industry than in medicine.
 - B. will play a major role in the information age.
 - C. will decrease in importance as they become more common.
 - D. have reached the peak of their development.
 - E. will form the basis of the "electronic superhighway."

Text 2

On a drop shot, a tennis player drops the ball just over the net, hoping that his or her opponent won't get to it at all or will just barely reach it, thus making a weak return. The drop shot works well in a number of situations. It can be used to tire an opponent who is slow in moving forward or is out of position, or to substitute for the approach shot.

A perfect situation for a drop shot occurs when a player's opponent is far out of court and hits well to the inside of the service line. A good drop shot is a sure winner, but a bad one is equally certain disaster. The opponent who gets to the ball early has been handed the net position, which is a distinct advantage for the net rusher who will usually win the point in short order.

There are two types of drop shots, each requiring a distinct stroke. The first is used to drop slow balls descending from the peak of the bounce. The second is used on rising balls. These shots require excellent timing and a simple stroke, such as the swing on waist-high volleys.

55. The primary idea of the passage is _____
- A. A good drop shot is a sure winner.
 - B. A tennis player gains points from drop shots.
 - C. Drop shots can make a tennis player win.
 - D. There are two types of drop shots.
 - E. Drop shots have various kinds and purposes.
56. From the passage, it can be inferred that _____
- A. a drop shot is intended to make the opponent move slower.
 - B. a well-predicted position creates a point.
 - C. a player gains points if the opponent cannot return the ball.
 - D. a disaster happens when a player is out of the tennis court.
 - E. a perfect situation for a drop shot occurs when a player's opponent is far.

Text 3

The level of intelligence in birds, as a scientific inquiry, has not been as thoroughly researched as similar questions regarding primates and other mammals. However, there is a general belief that **they** are more intelligent, as a class, than the reptiles, and that many species are just as intelligent as mammals of comparable size. Because birds lack forelimbs with which to modify their surroundings, it is often difficult to test for intelligence as we would define it for mammals. Traditionally, biological science has maintained that most actions performed by birds that may indicate intelligence are merely ingrained instinctual behaviors and that birds are unable to learn.

57. The word "they," printed in bold refers to _____
- A. the level of intelligence in birds.
 - B. primates.
 - C. reptiles.
 - D. many species.
 - E. birds.

58. Traditional biological science believed that _____
- A. birds are intelligent.
 - B. primates are more intelligent than birds.
 - C. reptiles are more intelligent than primates.
 - D. birds lack forelimbs.
 - E. birds seem intelligent.

Text 4

Asteroids, even small ones, can be devastating if they hit the Earth. The Grand Canyon, which is almost a mile wide, might have been created by an asteroid only 150 feet in diameter. Experts estimate that if an object 500 feet in diameter were to hit the Earth, it could set fire to trees within a radius of 30 miles, knock down houses within one of 100 miles, and change weather patterns worldwide for as long as a year because of the dust it would throw up.

In the near future, it may be possible to prevent such disasters. A scanning system may soon be able to provide information on the brightness and position of objects in space. The system would be able to indicate changes in the position of these celestial objects and tell us if there is an asteroid headed for Earth. A bomb could then be carried to the asteroid by spacecraft and fired by a radio signal from Earth. The explosion would cause a small change in the asteroid's orbit, but if done early enough, a very slight change would be enough to cause the asteroid to miss the Earth.

59. What is the main idea expressed in the passage?
- A. Asteroids with 500 feet in diameter can burn trees.
 - B. Experts may prevent disasters of asteroid's collision with the Earth.
 - C. The effects and preventions of asteroid's collision are predictable.
 - D. A system is developed to prevent asteroid's collision with the Earth.
 - E. In the near future, it may be possible to prevent such disaster.
60. The change of weather patterns occurs _____
- A. when asteroids hit the Earth.
 - B. when an object in 600 feet in diameter hits the Earth.
 - C. when an objects knocks down houses.
 - D. when a bomb is fired by a radio signal from Earth.
 - E. when a scanning system can provide information on the brightness and position of objects in space.

Text 5

Fruits and vegetable contain all the necessary vitamins and minerals needed for a healthy body. Whole fruits and veggies are less expensive and much more enjoyable than vitamin supplements and pills.

Many people take vitamins to be healthier, but by eating the right food (namely fruits vegetables), vitamins become unnecessary. Doctors and researchers believe that anti-oxidants naturally found in fruits and vegetables can help prevent some types of cancer. By taking vitamins as opposed to eating produce, you miss out on fiber and phytochemicals that protect the body from disease.

61. The passage suggests that _____
- A. you will not need vitamins by only taking fruits and vegetables.
 - B. vitamins and minerals are required for good health.
 - C. taking vitamin supplements and pills makes people healthier.
 - D. doctors and researchers can help prevent diseases.
 - E. many people take vitamins to be healthier.

62. Your body is protected against illness _____.
A. when you take anti-oxidants.
B. from the results of researches.
C. If the fiber and phytochemicals exist in the food.
D. by eating whole fruits and veggies.
E. when you miss out on fiber and phytochemicals.
63. Joan _____ the letter and she will post it, but she can't find a stamp.
A. writes
B. has written
C. wrote
D. had written
E. is writing
64. She felt ill and _____ leave early.
A. can
B. must
C. might
D. had to
E. may
65. He hates _____ the phone, and very often just lets it _____.
A. answer, ring
B. to answer, to ring
C. answering, ring
D. answering, to ring
E. answered, ringing
66. I've just enrolled at the local technical college. I _____ pottery classes next semester.
A. attended
B. have attended
C. can attend
D. had been attending
E. am going to attend
67. Infuriated by the interruptions, _____.
A. that the speaker refused to continue
B. that the speaker continue refusing
C. the speaker refused to continue
D. the speaker's refusal to continue
E. that the speaker is continuing to refuse
68. The ship was put into quarantine and passengers and crew _____.
A. were forbidden to land
B. were forbidding to land
C. forbade landing
D. forbade to land
E. forbidding to land

69. She turned out the light. She didn't want to waste electricity.
- A. She turned out the light so he didn't want to waste the electricity.
 - B. She turned out the light so as not to waste electricity.
 - C. She turned out the light not so as to waste electricity.
 - D. She turned out the light in order not waste the electricity.
 - E. She turned out the light in order so as not waste the electricity.
70. _____ didn't turn up.
- A. The man I was waiting for
 - B. That the man I was waiting for
 - C. I was waiting for the man
 - D. That I was waiting for the man
 - E. That for the man I was waiting
71. I've given your old jacket away _____.
- A. although it was too tight for you
 - B. since it was too tight for you
 - C. as long as you are too tight
 - D. so you are too tight
 - E. and it was too tight for you
72. The windows of the old building on Canary Street, _____, need fixing.
- A. most of which are broken
 - B. most of that are broken
 - C. which most of them are broken
 - D. that most of them are broken
 - E. that which most of them are broken
73. Dyslexic children cannot easily learn to read because they have trouble _____.
- A. associating printed letters with the sounds of speech
 - B. in association printed letters with the sounds of speech
 - C. associate printed letters with the sounds of speech
 - D. to associating printed letters with the sounds of speech
 - E. associated printed letters with the sounds of speech.
74. Barn owls are economically valuable _____
- A. because of their preference for small, crop-destroying mammals.
 - B. because their preference for small, crop-destroying mammals.
 - C. in spite of the fact that their preference for small, crop-destroying mammals.
 - D. despite they prefer small crop-destroying mammals.
 - E. due to of their preference for small, crop-destroying mammals.
75. After the war, he discovered that _____ his left hand, he could paint and draw.
- A. keeping his right wrist steady with
 - B. by keeping his right wrist steady with
 - C. by keeping his right wrist steady
 - D. with the keeping his right wrist steady by
 - E. to keep his right wrist steady with