**Questions 21 to 30 are based on the following passage.**

A new unit that allows doctors to give a remote diagnosis of heart defects in unborn babies hundreds of miles away has [21]\_\_\_\_\_\_\_\_\_\_ in Bristol. The unit will help cut down on [22]\_\_\_\_\_\_\_\_\_\_ for the patient and family. The telemedicine suite at Bristol Children’s Hospital works using ISDN phoneline technology. Specialist consultants in one hospital will be able to immediately [23]\_\_\_\_\_\_\_\_\_ unborn babies or critically ill children born in a different hospital.

This is the first time in the region that telemedicine has been used for real time [24]\_\_\_\_\_\_\_\_\_ diagnosis of congenital heart disease and could be used to diagnose more than 100 cases a year. A baby born with a [25]\_\_\_\_\_\_\_\_\_ heart defect would normally have to be transferred to Bristol by ambulance, which is [26]\_\_\_\_\_\_\_\_\_ and very stressful for the patient and family, let alone the expense of critical care ambulance.

This [27]\_\_\_\_\_\_\_\_\_\_ allows remote diagnosis aiding the intensive care retrieval team taking care of the child at a critical time, though in some cases hazardous transfer can be [28]\_\_\_\_\_\_\_\_\_\_ altogether. The suite has also become a [29]\_\_\_\_\_\_\_\_\_\_ for “E-learning”, with training lectures and seminars being [30]\_\_\_\_\_\_\_\_\_\_ from Bristol to paediatric centers around the country.

|  |  |
| --- | --- |
| A．diagnose | I．opened |
| B．far | J．stress |
| C．remote | K．designed |
| D．time-consuming | L．facility |
| E．avoided | M．suspected |
| F．landmark | N．resource |
| G．broadcast | O．reached |
| H．short |  |

**Questions 31 to 35 are based on the following passage.**

Believe it or not, optical illusion (错觉)can cut highway crashes.

Japan is a case in point. It has reduced automobile crashes on some roads by nearly 75 percent using a simple optical illusion. Bent stripes, called chevrons (人字形), painted on the roads make drivers think that they are driving faster than they really are, and thus drivers slow down.

Now the American Automobile Association Foundation for Traffic Safety in Washington D.C. is planning to repeat Japan’s success. Starting next year, the foundation will paint chevrons and other patterns of stripes on selected roads around the country to test how well the patterns reduce highway crashes.

Excessive speed plays a major role in as much as one fifth of all fatal traffic accidents, according to the foundation. To help reduce those accidents, the foundation will conduct its tests in areas where speed-related hazards are the greatest—curves, exit slopes, traffic circles, and bridges.

Some studies suggest that straight, horizontal bars painted across roads can initially cut the average speed of drivers in half. However, traffic often returns to full speed within months as drivers become used to seeing the painted bars.

Chevrons, scientists say, not only give drivers the impression that they are driving faster than they really are but also make a lane appear to be narrower. The result is a longer lasting reduction in highway speed and the number of traffic accidents.

31．The passage mainly discusses \_\_\_\_\_A\_\_\_\_\_.

A. a new way of highway speed control

B. a new pattern for painting highways

C. a new approach to training drivers

D. a new type of optical illusion

32．On roads painted with chevrons, drivers tend to feel that \_\_\_\_\_C\_\_\_\_\_.

A. they should avoid speed-related hazards

B. they are driving in the wrong lane

C. they should slow down their speed

D. they are approaching the speed limit

33．The advantage of chevrons over straight, horizontal bars is that **the former** \_\_\_\_\_C\_\_\_\_\_.

A. can keep drivers awake

B. can cut road accidents in half

C. will have a longer effect on drivers

D. will look more attractive

34．The American Automobile Association Foundation for Traffic Safety plans to \_\_\_\_\_A\_\_\_\_\_.

A. try out the Japanese method in certain areas

B. change the road signs across the country

C. replace straight, horizontal bars with chevrons

D. repeat the Japanese road patterns

35．What does the author say about **straight, horizontal bars** painted across roads? B

A. They are falling out of use in the United States

B. They tend to be ignored by drivers in a short period of time.

C. They are applicable only on broad roads.

D. They cannot be applied successfully to traffic circles.