

2011年职称英语卫生类A考前每日一练(4) PDF转换可能丢失图片或格式，建议阅读原文

[https://www.100test.com/kao\\_ti2020/646/2021\\_2022\\_2011\\_E5\\_B9\\_B4\\_E8\\_81\\_8C\\_c91\\_646131.htm](https://www.100test.com/kao_ti2020/646/2021_2022_2011_E5_B9_B4_E8_81_8C_c91_646131.htm) 下面有3篇短文，每篇短文后有5道题。请根据短文内容，为每题确定1个最佳选项。 第4部分：阅读理解(第31～45题，每题3分，共45分) 下面有3篇短文，每篇短文后有5道题。请根据短文内容，为每题确定1个最佳选项。 第一篇Pool Watch Swimmers can drown in busy swimming pools when lifeguards(救生员) fail to notice that they are in trouble. The Royal Society for the Prevention of Accidents says that on average 15 people drown in British pools each year, but more suffer major injury after getting into difficulties, Now a French company has developed an artificial intelligence system called Poseidon that sounds the alarm when it sees someone in danger of drowning. When a swimmer sinks towards the bottom of the pool, the new system sends an alarm signal to a poolside(游泳池边) monitoring station and a lifeguards pager. In trials(试验) at a pool in Ancenis, near Nantes, it saved a life within just a few months, says Alistair McQuade, a spokesman for its maker, Poseidon Technologies. Poseidon keeps watch through a network of underwater and overhead video cameras. AI software analyses the images to work out swimmers trajectories(轨道). To do this reliably, it has to tell the difference between a swimmer and the shadow of someone being cast onto the bottom or side of the pool. "The underwater environment. Is a very dynamic one, with many shadows and reflections dancing around, " says McQuade. The software does

this by "projecting" a shape in its field of view onto an image of the far wall of the pool. It does the same with an image from another camera viewing the shape from a different angle. If the two projections are in the same position, the shape is identified as a shadow and is ignored. But if they are different, the shape is a swimmer and so the system follows its trajectory. "To pick out potential drowning victims, anyone in the water who starts to descend slowly is added to the softwares "pre-alert" list, " says McQuade. Swimmers who then stay immobile on the pool bottom for 5 seconds or more are considered in danger of drowning. Poseidon double-checks that the image really is of a swimmer, not a shadow, by seeing whether it obscures the pools floor texture when viewed from over head(在头顶上). If so, it alerts the lifeguard, showing the swimmers location on a poolside screen. The first full-scale Poseidon system will be officially opened next week at a pool in High Wycombe, Buckinghamshire. One man who is impressed with the idea is Trevor Baylis, inventor of the clockwork(时钟机构) radio. Baylis runs a company that installs swimming pools -- and he was once an underwater escapologist(表演脱身术的人) with a circus. "I say full marks to them if this works and can save lives, " he says. But he adds that any local authority spending 230,000-plus on a Poseidon system ought to be investing similar amounts in teaching children to swim. 31. AI means the same as A. an image. B. an idea. 百考试题论坛 C. anyone in the water. D. artificial intelligence. 32. What is required of AI software to save a life? A. It must be able to swim. B. It must keep walking round the pool. C. It

can distinguish between a swimmer and a shadow. D. It can save a life within a few months. - 33. How does Poseidon save a life? A. He plunges into the pool. B. It alerts the lifeguard. C. He cries for help. D. It rushes to the pool. 34. Which of the following statements about Trevor Baylis is NOT true? A. He runs. B. He invented the clockwork radio. C. He was once an entertainer. D. He runs a company. 35. The word "considered" in paragraph 5 could be best replaced by A. "thought". B. "rated". C. "regaided". D. "believed".

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