ĐỀ SỐ 2

READING PASSAGE 1

*You should spend about 20 minutes on **Questions 1-15**, which are based on Reading Passage 1 below.*

RoboCup

Introduction to RoboCup

RoboCup is a football competition that has taken place every year since 1997. But the players are not human; they are robots. The competition's full name is 'Robot Soccer World Cup,' and the aim is to create, by the middle of the 21st century, a team of robot footballers that are able to play against and beat the winners of the real World Cup.

Robot Technology and Function

In order for robots to play football, robotics companies have had to develop special technologies. A robot can't just run onto the field and start kicking the ball. So each robot is fitted with a webcam which is connected to a computer inside the robot. The robot is able to see where the other players are, where the goal is and, most importantly, where the ball is. They are programmed to make their own decisions and during the match the robots' creators are not allowed to tell them what to do. The robots are, however, able to communicate with other members of their team, via a wireless network. They might, for example, communicate a message like this to a team-mate: 'I'm nearest the ball. I'm going to kick it. You go and defend the goal.' They know who to pass to and how best to get the ball past an opponent. Australian, German and American teams dominate the competition, though teams from twelve countries competed at the last tournament.

Future Potential and Uses

There is a long way to go before robots will be able to compete against humans. They need to become more intelligent and become able to react more quickly and anticipate the game. But the technologies that are being developed for scoring goals have other uses as well. It may be possible to develop robots that can be used in search and rescue, for example, finding people trapped in buildings after earthquakes.

They may not be as fun to watch as real footballers, but at least they don't demand enormous salaries!

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Questions 1-5: Note Completion

*Complete the notes below. Choose **ONE WORD / A NUMBER** from the passage for each answer.*

1. RoboCup has been held annually since the year _____.

2. RoboCup is a football competition where the players are not _____ but robots.

3. The goal of RoboCup is to create robot footballers that can compete against and defeat the _____ of the real World Cup.

4. To enable robots to play football, companies have developed special _____.

5. Each robot in RoboCup is equipped with a _____ that helps in playing the game.

Questions 6-10: True/False/Not Given

Do the following statements agree with the information given in the text? Write:

- ***TRUE** if the statement agrees with the information.*
- ***FALSE** if the statement contradicts the information.*
- ***NOT GIVEN** if there is no information on this.*

6. Each robot in RoboCup is equipped with a webcam connected to a computer inside the robot.

7. The robots are programmed to make their own decisions during the match.

8. Robots only can communicate with their teammates through a wired network.

9. Teams from twenty countries competed at the last RoboCup tournament.

10. Australian, German, and American teams have won every RoboCup tournament.

Questions 11-15: Multiple Choice

Choose the correct letter, A, B, C, or D.

11. What is the main challenge for robots in RoboCup?

A. They need to become more intelligent.

B. They need to be able to score goals more frequently.

C. They need to play in larger teams.

D. They need to have better physical strength.

12. What must robots improve to compete effectively in RoboCup?

A. Their ability to watch the game from the sidelines.

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B. Their speed and ability to anticipate the game.

C. Their capacity to handle large crowds.

D. Their ability to perform gymnastics routines.

13. How do the robots' future potential uses compare to their role in RoboCup?

A. They have no potential uses outside of football.

B. Their potential uses are more for entertainment purposes.

C. Their potential uses could extend to practical applications like rescue missions.

D. Their future uses are only related to improving game scores.

14. What is mentioned as a current limitation of robots in RoboCup?

A. Their ability to perform complex dance routines.

B. Their ability to score goals frequently.

C. Their intelligence and reaction time.

D. Their capacity to understand human emotions.

15. Which of the following is NOT mentioned as a potential use for the technology developed for RoboCup?

A. Finding people trapped in buildings.

B. Enhancing robots' ability to play music.

C. Developing robots for search and rescue.

D. Creating robots that can assist in emergencies.

READING PASSAGE 2

*You should spend about 25 minutes on **Questions 16-30**, which are based on Reading Passage 2 below.*

Strange places to live in

THE SLIDE HOUSE, JAPAN

Did you love going down the slide in the playgrounds as a child? Perhaps you secretly wish you still could? If so, then the Slide House in Japan is the house for you!

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Japanese architects have designed an unusual three-storey house with a huge slide that connects each level. This fun house has two staircases on one side going up, and the slide on the other going down, and together they form a circular route around the central area of the house. The house is in the suburbs of Tokyo, and it functions as a real family home.

THE SKATEBOARD HOUSE, USA

Are you a skateboarding fan? Would you like to live in a house where you could skateboard everywhere? This is exactly what a former skateboard champion wants to build in California. It will be the first house that can be entirely used for skateboarding as well as living in.

A prototype of the house is currently on display in a French museum. It has three spaces: a living area, a sleeping area and a skateboard practice area. However, you can skateboard everywhere because the floor becomes the wall and then the ceiling in a continuous curve. You can also skate on and off all the furniture!

THE GIANT SEASHELL HOUSE, MEXICO

If you've ever wondered what it would feel like to live inside a seashell, then this house in Mexico City would be the home for you. This amazing shell-shaped house was designed and built in 2006. As strange as it looks, it's a real home built for a family. The parents were tired of having a traditional house and wanted to live in a home that was inspired by nature.

All the walls and furniture in the house are curved and all the surfaces are smooth. There are round windows and doors, coloured glass walls and even flowers growing in all the rooms.

Questions 16-20: Note Completion

*Complete the notes below. Choose **ONE WORD** from the passage for each answer.*

16. The Slide House is an example of an _____ residential design.

17. Besides the slide, the house also has two _____ for going up.

18. The staircases create a _____ route.

19. The house's design includes a _____ area around which everything is arranged.

20. The Slide House in Japan is located in the _____ of Tokyo.

Questions 21-25: True/False/Not Given

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Do the following statements agree with the information given in the text? Write:

- ***TRUE*** *if the statement agrees with the information.*
- ***FALSE*** *if the statement contradicts the information.*
- ***NOT GIVEN*** *if there is no information on this.*

21. The Skateboard House is intended to be built in California.

22. The house will have separate areas specifically for skateboarding and living.

23. The house will include separate furniture for skateboarding.

24. The former skateboard champion is still actively competing in skateboarding events.

25. The Skateboard House has a dedicated area for practicing skateboarding.

Questions 26-30: Multiple Choice

Choose the correct letter, A, B, C, or D.

26. When was the Giant Seashell House designed and built?

A. 2000

B. 2005

C. 2006

D. 2010

27. What inspired the design of the Giant Seashell House?

A. Traditional architecture

B. Modern art

C. Nature

D. Urban buildings

28. What kind of windows and doors does the Giant Seashell House have?

A. Square and rectangular

B. Round

C. Triangular

D. Oval

29. What kind of walls does the Giant Seashell House have?

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A. Brick

B. Glass

C. Flat

D. Wooden

30. Which of the following is NOT mentioned as part of the house's design?

A. Coloured glass walls

B. Flowers growing in the rooms

C. Traditional furniture

D. Smooth surfaces

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