

Thời gian làm bài: 60 phút, không kể thời gian phát đề.

ĐỀ THI MÔN TIẾNG ANH

Mã đề thi 302

Họ và tên thí sinh:

Số báo danh:

Mark the letter A, B, C, or D on your answer sheet to indicate the best answer to each of the following questions.

- Question 1 : The university offers a lot of free services, but not many students _____ advantage of them.
A. do B. take C. make D. get
- Question 2 : A huge _____ was lifted from my shoulders when I could finally tell my parents about my problems.
A. responsibility B. burden C. load D. loss
- Question 3 : I'm sorry I didn't tell you that the meeting was cancelled. It must have _____.
A. been out of my mind B. crossed my mind
 C. slipped my mind D. brought to my mind
- Question 4 : _____, you wouldn't have made so many mistakes.
A. Were you to listen to me B. If you listened to me
C. Unless you listened to me D. Had you listened to me
- Question 5 : He said, "I visited both Yugoslavia and Indonesia as a boy with my grandfather."
→ He _____.
A. said that he visited both Yugoslavia and Indonesia as a boy with his grandfather.
 B. recalled visiting both Yugoslavia and Indonesia as a boy with his grandfather.
C. remembered that he visit both Yugoslavia and Indonesia as a boy with his grandfather.
D. reminded himself to visit both Yugoslavia and Indonesia as a boy with his grandfather.
- Question 6 : One of the boys _____, but I _____ in and _____ him.
 A. was drowning - dived - saved B. drown - dive - save
C. had drowned - dived - saved D. drowned - dived - saved
- Question 7 : The plane has _____ built-in stereo tape-recorder which can play for _____ whole four hours.
 A. a - ø B. the - the C. a - the D. a - a
- Question 8 : The hairy coat holds a layer of air close to the skin, _____ the body against changes in the outside temperature.
A. insulating B. insulated C. to be insulated D. that insulates
- Question 9 : The couple seems to be very happy about the house. The real estate agent _____ great recommendations for them.
A. could have made B. must have made
C. may have made D. should have made
- Question 10 : The prices of this company are always better than those of their _____.
A. competitions B. competitive C. competitors D. competitively

Question 11 : He could neither explain the whole situation to the editor, _____.

- A. nor could he accept his rebuke
B. and he could not accept his rebuke, too
C. so could he accept his rebuke
D. either couldn't he accept his rebuke

Question 12 : It's raining outside. You'd better put a coat _____ your dress.

- A. off B. with C. over D. on

Question 13 : An important event in my life was the beginning of my relationship with Jonathan, _____ I owed to our common friendship with Linda.

- A. who B. whom C. which D. that

Question 14 : My sister received a wonderful _____ from her friend for spaghetti carbonara.

- A. receipt B. letter C. paper D. recipe

Question 15 : I _____ to the station to pick her up because she decided to get the bus, so I finished my essay instead.

- A. needn't have gone B. shouldn't go
 C. didn't need to go D. shouldn't have gone

Question 16 : Most gas appliances require routine _____ at least once a year to ensure safety.

- A. maintaining B. maintain C. maintained D. maintenance

Question 17 : His acceptance _____ at the Oscar Ceremony has caused heated controversy on Facebook.

- A. saying B. announcement C. talk D. speech

Question 18 : Many organizations operate a six-month _____ period before making a position permanent for their employees.

- A. probationer B. probate C. probation D. probatant

Mark the letter A, B, C, or D on your answer sheet to indicate the word(s) **CLOSEST** in meaning to the underlined word in the following question.

Question 19 : While we were on our holiday in Manchester last winter, we managed to visit some good friends there.

- A. run into B. drop in on C. keep up with D. get on with

Mark the letter A, B, C, or D on your answer sheet to indicate the word **OPPOSITE** in meaning to the underlined word in the following question.

Question 20 : The vaccines have been proved to have no adverse effects.

- A. dramatic B. significant C. additional D. beneficial

Mark the letter A, B, C, or D on your answer sheet to indicate the word that has the underlined part pronounced differently from the others.

Question 21 :

- A. sold B. pole C. tomb D. comb

Question 22 :

- A. honest B. honour C. hour D. host

Mark the letter A, B, C, or D on your answer sheet to indicate the word whose primary stress is different from the others.

Question 23 :

- A. problematic B. individual C. fundamental D. meticulous

Mark the letter A, B, C, or D on your answer sheet to indicate the sentence(s) that best complete(s) each of the following exchanges.

Question 24 : Jack and Peter are in a room. Jack is feeling a bit cold.

- Jack: Would you mind turning off the air conditioner, please?

- Peter: _____.

- A. No, thanks. B. Good idea! C. Yes, of course. D. Not at all.

Question 25 : Jasmine is at a restaurant.

- Jasmine: Excuse me. I've made a table reservation for 4 people.

- Waiter: _____.

- A. You can book via our website. B. I am looking forward to seeing you.
C. Sorry, what's the matter with you? D. Just a moment. I'll check it for you.

Question 26 : Roger is talking to Claire about her birthday party.

- Roger: I am sorry I can't make it to your party tomorrow.

- Claire: _____.

- A. No worry. I had other plans anyway. B. Why on earth did you do that to me?
 C. It's all good. Maybe next time. D. You shouldn't have done that.

Question 27 : Andrew wants to borrow Lam's CD.

- Andrew: May I borrow this CD?

- Lam: _____.

- A. By all means. B. I can't give what you want.
C. Never mind. D. I don't think I can make it.

Question 28 : John and Thao have just finished a school tour.

- John: Thank you so much for showing me the way around the school.

- Thao: _____.

- A. Same to you. B. You're welcome. C. I know. D. That's fine.

Read the following passage and mark the letter A, B, C, or D on your answer sheet to indicate the best answer to each of the following questions from 29 to 35.

Selfies are a cultural phenomenon. Twenty years ago, very few museum visitors would think about taking a photo of themselves in front of the Mona Lisa with a digital camera. Now, to even see the Mona Lisa you have to gaze over a sea of phone screens and smiling faces. But is this really that big a change? What selfies have changed, perhaps, is the way people view the experience of visiting a museum. The question is whether this is a good or bad cultural change.

The first and perhaps most common accusation levelled at selfie-takers is that it is an exercise in self-promotion. People who take selfies of themselves at museums are seen as being selfish. Taking a photo of yourself in front of a painting implies that viewing and enjoying the artwork isn't enough, and that it is only by photographing yourself with the artwork that visiting the museum becomes a valuable

experience. In addition, many people feel that being surrounded by selfie-takers ruins the museum's atmosphere. For serious art and history enthusiasts, a trip to museums today is no longer an educational escape from the reality, but a runaway from the constant rush of selfie-takers. What's more, selfies increase the likelihood of damage being done to the exhibits. When people are preoccupied with taking the best picture rather than with the artwork next to them, mishaps are bound to happen. Take the **notorious** 14th Factory incident, in which a girl crouching next to an exhibit in Los Angeles accidentally knocked a pedestal over, causing an estimated \$200,000 worth of damage. Such a disaster would never have happened if the girl had not been using the exhibit as a backdrop for a selfie.

The museum selfie is not without its supporters, however. To some, it is a way to enrich the entire museum experience. If selfies are indeed a cultural phenomenon, isn't it a museum's duty to engage with them in the same way they engage with other aspects of culture? It just allows people to engage with art and history on a personal level. Allowing selfies is also healthy for business. For many, the attraction of a good selfie backdrop is what draws them to these educational places. This increases donations to the museum, allowing a venue to showcase more exhibits and better preserve the exhibits already in their possession.

Whatever your thoughts on social media and the popularity of selfie-taking are, it is unlikely that this trend is going to disappear in the near future. And so, perhaps the question should be how we can ensure that all are free to enjoy their favourite exhibits in a way that does not compromise the experiences of others.

(Adapted from museumnext.com)

Question 29 : Why does the author mention the Mona Lisa in paragraph 1?

- A. To give an example of a popular artwork that attracts people to museums
- B. To show that people's museum experience is becoming better thanks to technology
- C. To illustrate how selfie-taking is changing the way people interact with arts
- D. To explain why very few museum visitors took photos in museums 20 years ago

Question 30 : What is **NOT** an accusation against selfie-takers at museums?

- A. They just care about themselves.
- B. They ruin the value of art and history.
- C. They spoil other visitors' experience.
- D. They cause damage to the objects on display.

Question 31 : The incident at 14th Factory in Los Angeles shows that _____.

- A. disasters will happen if people are not allowed to take selfies.
- B. exhibits of great values are not looked after properly at museums.
- C. the main purpose of people's going to museums is to take selfies.
- D. accidents are likely because of people's obsession with selfies.

Question 32 : The word "**notorious**" in paragraph 2 can best be replaced by _____.

- A. infamous
- B. widespread
- C. common
- D. familiar

Question 33 : Which of the following would be the best heading for paragraph 3?

- A. Reasons why people take selfies at museums
- B. The arguments for selfies at museums
- C. The social values of selfies
- D. What museums can do to prevent selfies

Question 34 : According to the passage, how does allowing selfies benefit museums?

- A. It adds to museums' historical values.
- B. It makes museums a cultural phenomenon.
- C. It allows museums to be financially viable.
- D.** It enables museums to attract people from other cultures.

Question 35 : Which suggestion below does the author most likely support?

- A.** Museums should adapt to the trend of selfie-taking.
- B. Selfies should be allowed at certain museums.
- C. Museum visitors should be permitted to take selfies freely.
- D. Taking selfies should be banned at every museum.

Read the following passage and mark the letter A, B, C, or D on your answer sheet to indicate the best answer to each of the following questions from 36 to 42.

Artificial intelligence (AI) is already making decisions in the fields of business, health care and manufacturing. But AI algorithms generally still need people to apply **checks** and make the final call. What would happen if AI systems had to make independent decisions, and ones that could mean life or death for humans?

Pop culture has long portrayed our general distrust of AI. In the 2004 sci-fi movie *I, Robot*, detective Del Spooner (played by Will Smith) is suspicious of robots after being rescued by one from a car crash, while a 12-year-old girl was left to drown. Unlike humans, robots lack a moral conscience and follow the "ethics" programmed into them. At the same time, human morality is highly variable. For machines to help us to their full potential, we need to make sure they behave ethically. The "right" thing to do in any situation will depend on who you ask. So, the question becomes: how do the ethics of AI developers and engineers influence the decisions made by AI?

Imagine a future with self-driving cars that are fully autonomous. If everything works as intended, the morning commute will be an opportunity to prepare for the day's meetings, catch up on news, or sit back and relax. But what if things go wrong? The car approaches a traffic light, but suddenly the brakes fail, and the computer has to make a split-second decision. It can swerve into a nearby pole and kill the passenger, or keep going and kill the pedestrian ahead. The computer controlling the car will only have access to limited information collected through car sensors, and will have to make a decision based on **this**. As dramatic as this may seem, we're only a few years away from potentially facing such dilemmas.

Autonomous cars will generally provide safer driving, but accidents will be inevitable. Tesla does not yet produce fully autonomous cars, although it plans to. In accident situations, Tesla cars don't automatically operate or deactivate the Automatic Emergency Braking (AEB) system if a human driver is in control. Instead, if the car detects a potential collision, it sends alerts to the driver to take action. In fully "autopilot" mode, however, the car should automatically brake for pedestrians. Some argue if the car can prevent a collision, then there is a moral obligation for it to override the driver's actions in every scenario.

When it comes to AI systems, the algorithms training processes are critical to how they will work in the real world. A system developed in one country can be influenced by the views, politics, ethics and morals of that country, making it unsuitable for use in another place and time. After all, AI is not "good" or "evil". To make the most of it, we'll need to reach a consensus on what we consider "ethical".

(Adapted from theconversation.com)

- Question 36 :** The word “checks” in paragraph 1 is closest in meaning to _____.
- A. quick glance B. curious stare C. close look D. clear vision
- Question 37 :** What point does the author make by mentioning the movie *I, Robot* in paragraph 2?
- A. This is a classic sci-fi movie about the intelligence of robots.
B. Humans have long doubted robots’ ability to make moral decisions.
C. Robots will be suspicious of humans once they are fully autonomous.
D. Countless human lives will be saved by robots in the future.
- Question 38 :** What can be inferred about robots’ ability to behave ethically?
- A. They can make ethical decisions in any situations.
B. They are unlikely to know what is right to do in a situation unknown to them.
C. They can copy ethical behaviours from AI developers and engineers.
D. They are unable to follow the ethical instructions programmed into them.
- Question 39 :** Which heading below best fits paragraph 3?
- A. A hypothetical traffic situation posing difficult ethical choices
B. A series of ethical decisions self-driving cars will have to make
C. A relaxing car journey made possible by self-driving cars
D. An unreal tragic accident caused by self-driving cars
- Question 40 :** What does the word “this” in paragraph 3 refer to?
- A. limited information B. the self-driving car
C. the computer D. access to computer
- Question 41 :** Which statement is true about Tesla’s cars?
- A. They are able to give the driver early warnings in an emergency.
B. They can reject human drivers’ decisions in a potential collision.
C. They are the only fully autonomous cars on the market currently.
D. They can activate the AEB system even with a human driver on board.
- Question 42 :** According to the last paragraph, what is the author’s view on ethics in the real world?
- A. Ethics vary from one place to another and change over time.
B. There is a universal agreement on what people consider “ethical”.
C. Ethics will not work on AI systems because of different political views.
D. There is a clear-cut distinction between “good” and “evil”.

Read the following passage and mark the letter A, B, C, or D on your answer sheet to indicate the best answer to each of the following questions from 43 to 50.

The researchers, from the University of Cambridge, have previously shown that biological catalysts, or enzymes, can produce fuels cleanly using renewable energy sources, but at low efficiency. Their latest research has improved fuel production efficiency by 18 times in a laboratory setting, demonstrating that polluting carbon emissions can be turned into green fuels efficiently without any wasted energy. The results are reported in two related papers in *Nature Chemistry* and *Proceedings of the National Academy of Sciences*.

Most methods for converting CO₂ into fuels also produce unwanted by-products such as hydrogen. Scientists can alter chemical conditions to minimise hydrogen production, but this also reduces the

performance for CO₂ conversion: so cleaner fuels can be produced, but at the cost of efficiency. The Cambridge-developed proof of concept relies on enzymes isolated from bacteria to power the chemical reactions which convert CO₂ into fuels, a process called electrolysis. Enzymes are more efficient than other catalysts, such as gold, but **they** are highly sensitive to their local chemical environment. If the local environment isn't exactly right, they fall apart and the chemical reactions are slow. [1]. The Cambridge researchers have developed a method to improve the efficiency of electrolysis by fine-tuning the solution conditions to alter the local environment of the enzymes.

“Enzymes have evolved over millions of years to be extremely efficient and selective, and they're great for fuel-production because there aren't any unwanted by-products,” said Dr. Esther Edwardes Moore from Cambridge's Yusuf Hamied Department of Chemistry, first author of the PNAS paper. “However, enzyme sensitivity throws up a different set of challenges. Our method accounts for this sensitivity. [2].”

The researchers used computational methods to design a system to improve the electrolysis of CO₂. Using the enzyme-based system, the level of fuel production increased by 18 times compared to the current **benchmark** solution. [3]. To improve the local environment further, the team showed how two enzymes can work together, one producing fuels and the other controlling the environment. They found that adding another enzyme sped up the reactions, both increasing efficiency and reducing unwanted by-products.

The researchers say that the secret to more efficient CO₂ electrolysis lies in the catalysts. [4]. There have been big improvements in the development of synthetic catalysts in recent years, but they still fall short of the enzymes used in this work.

(Adapted from scitechdaily.com)

Question 43 : Which of the following is indicated in paragraph 1?

- A. Enzymes have just been discovered to generate energy.
- B. Carbon emissions can be a source of eco-friendly fuels.
- C. Generating energy from carbon emissions is polluting.
- D. Using enzymes to generate energy only works in laboratories.

Question 44 : What is the common drawback of producing energy from CO₂?

- A. Attempts to reduce waste result in inefficiency.
- B. It is costly to capture CO₂ from different sources.
- C. The rate of CO₂ conversion is affected by bacteria.
- D. The process requires a large amount of hydrogen.

Question 45 : What does the word “**they**” in paragraph 2 refer to?

- A. bacteria
- B. enzymes
- C. chemical reactions
- D. catalysts

Question 46 : Which of the following can best replace the word “**benchmark**” in paragraph 4?

- A. standard
- B. workable
- C. temporary
- D. common

Question 47 : What is **NOT** the benefit of using two enzymes in fuel production?

- A. Reducing the amount of CO₂
- B. Improving the environment
- C. Increasing energy output
- D. Accelerating reactions

Question 48 : Where in the passage does the sentence “**Accordingly, the local environment is adjusted to match the enzyme’s ideal working conditions**” best fit in?

- A. [1]
- B. [2]
- C. [4]
- D. [3]

Question 49 : Which of the following is true, according to the passage?

- A. The more enzymes are involved in the process, the better the results.
- B. Dr. Moore is the first researcher to notice enzymes’ ability to produce fuels.
- C. Artificial catalysts developed recently outperform the enzymes in this project.
- D. Enzymes’ effectiveness is subject to its surrounding chemical conditions.

Question 50 : Which can be the best title of the passage?

- A. The superiority of manmade chemicals
- B. A recent success in reducing CO₂
- C. An outdated energy producing technique
- D. An eco-friendly solution to energy production

Write a paragraph of 120-150 words on the following topic:

In what ways have social networks such as Facebook, Instagram, or Tiktok changed your life?

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