

Unit 3: CITIES OF THE FUTURE

TEST 2

Mark the letter A, B, C, or D on your answer sheet to indicate the word whose underlined part differs from that of the other three in pronunciation in each of the following questions.

- Question 1: A. privacy B. limit C. device D. diversity
Question 2: A. electric B. cycle C. service D. percent

Mark the letter A, B, C, or D on your answer sheet to indicate the word that differs from the other three in the position of stress in each of the following questions.

- Question 3: A. modern B. household C. private D. correct
Question 4: A. sustainable B. infrastructure C. economy D. pedestrian

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

Question 5: In the future, advanced technology will help residents _____ with the effects of climate change.

- A. cope B. pay C. make D. take

Question 6: The design of future cities will encourage people to _____ more with their environment through green spaces.

- A. promote B. explain C. control D. interact

Question 7: Innovations in technology and infrastructure are essential to creating more _____ cities for the growing population

- A. definite B. livable C. interactive D. affordable

Question 8: Urban planning decisions today will have a lasting impact _____ the sustainability of cities in the future.

- A. for B. of C. on D. with

Question 9: Right now, I _____ spending time at the park, enjoying the fresh air.

- A. am loving B. love C. will love D. loves

Read the following advertisement/announcement and mark the letter A, B, C, or D on your answer sheet to indicate the correct option that best fits each of the numbered blanks from 10 to 12.

🌟 Introducing EcoRide – The Future of Urban Transportation! 🌟

Tired of traffic jams and pollution in the city? Say hello to **EcoRide**, the revolutionary new way to get (10)_____ in your city, combining convenience, sustainability, and cutting-edge technology.



What is EcoRide?

EcoRide is a fleet of self-driving electric vehicles designed to make urban transportation easy, fast, and eco-friendly. Whether you're heading to work, running errands, or exploring the city, EcoRide has you covered!

Why Choose EcoRide?


- **Zero Emissions:** Our electric vehicles run on 100% renewable energy, (11)_____ your carbon footprint and helping to create a cleaner, greener city.
- **On-Demand Service:** With just a tap on our app, an EcoRide will be at your doorstep within minutes,

ready to take you wherever you need to go.

- **Smart Routing:** Our AI-powered system optimizes your route, avoiding traffic and getting you to your (12)_____ faster.
- **Affordable & Flexible:** Choose from a range of ride options to suit your budget, from solo trips to shared rides. Pay only for what you use – no hidden fees!

Join us in making our city a cleaner, smarter, and more connected place to live. **EcoRide – Your Ride to a Greener Future.**

- Question 10:** A. from B. around C. on D. for
Question 11: A. reminding B. supporting C. reducing D. attending
Question 12: A. healthcare B. tools C. measure D. destination

 **Announcement: Grand Opening of Future City 2050!** 

We are thrilled to announce the grand opening of **Future City 2050**, the city where innovation (13)_____ sustainability!

Date: September 1, 2050

Location: Future City Central Plaza

Join us as we unveil the most advanced smart city of the future. Explore our cutting-edge infrastructure, experience our green living spaces, and see firsthand(14)_____ technology is integrated into every aspect of urban life.

Be Part of the Future Today!

Don't miss this opportunity to witness the beginning of a new era in city living.

For more information and to RSVP, visit www.futurecity2050.com.

We look forward (15)_____ you to the city of tomorrow!

- Question 13:** A. see B. meet C. put D. take
Question 14: A. what B. how C. when D. why
Question 15: A. welcoming B. to welcoming C. welcome D. to welcome

Mark the letter A, B, C, or D on your answer sheet to indicate the correct arrangement of the sentences to make a meaningful paragraph/letter in each of the following questions.

Question 16:

- The introduction of smart technologies in cities can help reduce traffic congestion and improve public transportation.
- In future cities, people are expected to live in more sustainable and eco-friendly environments.
- Additionally, urban areas will likely see an increase in green spaces and renewable energy sources.
- As cities evolve, the quality of life for residents will continue to improve with better infrastructure and services.
- Living in the city will become more efficient and convenient as technology advances.

- A. e – d – c – b – a B. b – e – c – a – d
C. b – d – e – a – c D. e – a – c – b – d

Question 17:

- a. Moreover, these advancements will lead to a higher quality of life for residents.
- b. In the future, cities will rely heavily on renewable energy sources and smart infrastructure.
- c. As technology continues to evolve, the design and functionality of cities will transform significantly.
- d. For example, smart grids and energy-efficient buildings will become the norm.
- e. Dear residents, as we look toward the future, it's clear that urban living will undergo substantial changes.

A. e – b – d – c – a

B. e – c – b – d – a

C. e – c – a – b – d

D. e – b – a – d – c

Mark the letter A, B, C, or D on your answer sheet to indicate the correct option that best fits each of the numbered blanks from 18 to 23.

The concept of the smart city gained relevant success in the last years and it (18) _____ as the model for the city of the future. It represents a model of development of the city, in which the use of different types of technologies and infrastructures has the aim to provide an improvement in the quality of life of citizens and support the environment in a sustainable manner. It is a multi-level approach that wants to reduce the negative effects of urbanization processes and at the same time maximize the benefits of a modern, connected and informed city. (19) _____ and actions to implement, that goes beyond to the simple establishment of the latest technologies.

At the base of the smart city, there is the so-called smart grid, which is an intelligent network that provides efficient management of the energy supply and storage inside the city. (20) _____, the city is able (21) _____ about the consumption and demand for energy and at the same time connect all the main actors of the smart cities: businesses, governments, citizens, energy producers, in a multi-faced network. The intelligent use of technology is only the starting point, the collection and information processing leads to a numerous type of applications inside the urban center: an intelligent management of the urban lights, systems of smart parking or traffic management, an increased level in education and culture, the efficient waste and water management, the control of air pollution, the possibility to connect your device with the smart home and the construction of safer and smarter buildings and many others. (22) _____, we can run into a myriad of different aspects: green economy, internet of things, security of building in case of weather events, autonomous vehicles, social inclusion (23) _____ only to provide some examples.

Source: Ca' Foscari University

Question 18: **A.** is usually mentioned

B. is mentioned usually

C. usually mentioned

D. usually is mentioned

Question 19: **A.** This is included many aspects

B. Including

C. Which includes many aspects

D. This includes many aspects

Question 20: **A.** Through this system

B. For this system

C. On this system

D. This system

Question 21: **A.** collecting any information

B. to collect any information

C. to collect little information

D. collecting little information

Question 22: **A.** While we are reading about the smart city

B. Because we read about the smart city

C. Though we read about the smart city

D. When we read about the smart city

Question 23: **A.** or the use of renewable resources

B. with the use of renewable resources

C. but the use of renewable resources

D. regardless of the use of renewable resources

Read the following passage and mark the letter A, B, C, or D on your answer sheet to indicate the correct option that best fits each of the numbered blanks from 24 to 28.

Smart cities improve the usage of resources such as electricity or water by predicting their demand. (24)_____ sensors are installed inside commercial and residential buildings like smart meters, they can analyze the amount of energy consumed, central management systems are able to (25)_____ patterns and demand, thus limiting wasted resources.

Transportation can be made more efficient with connected traffic management systems and new types of mobility, (26)_____ of which include shared vehicles (cars, bikes, e-scooters). Trains, trams, buses, or taxis can inform citizens of precise arrival times and delays, meaning people will waste less time waiting for transportation. Additionally, these shared vehicles can help reduce the number of cars on the street and improve the flow of traffic.

(27)_____ such as streets, bridges, and buildings can be made safer and cheaper to maintain. With sensors installed throughout the structure, (28)_____ use AI data analysis, maintenance issues can be predicted before they occur. Therefore, these problems can be repaired or rebuilt without causing serious damage to the infrastructure or risking the safety of citizens.

Reference: smart-cre

- | | | | |
|---------------------------------------|-------------------|---------------|------------|
| Question 24: A. Although | B. However | C. Because of | D. Because |
| Question 25: A. increase | B. predict | C. produce | D. manage |
| Question 26: A. many | B. much | C. each | D. some |
| Question 27: A. Transformation | B. Infrastructure | C. Individual | D. Access |
| Question 28: A. who | B. whose | C. whom | D. which |

Read the following passage and mark the letter A, B, C, or D on your answer sheet to indicate the correct answer to each of the questions from 29 to 33.

Vietnam is rapidly advancing in smart city development, with efforts **accelerating** due to the COVID-19 pandemic and increasing awareness of the importance of sustainable urban spaces. Major cities like Ho Chi Minh City, Hanoi, Da Nang, and Can Tho are leading the way, developing smart city frameworks and gradually transforming city services. The government's Decision No. 749/QD-TTG, approved in 2021, provides guidelines for provinces and municipalities to formulate their smart city roadmaps. However, while smaller cities like Da Nang benefit from clear paths to smart development, established metropolitan areas such as Ho Chi Minh City and Hanoi face challenges due to existing infrastructure.

Ho Chi Minh City has prioritized its smart city transformation with four key tasks: creating a shared database, establishing a simulation and forecasting center, developing a smart administration center, and enhancing information security. Initiatives like the Smart Urban Operation Center, **which** is supported by U.S. partners, and the Simulation Division for traffic management, highlight the city's commitment to integrating technology into its urban planning. The city is also fostering innovation by encouraging the use of open data ecosystems, providing accessible data on health, transport, and the environment for public and private use.

In addition to city-wide initiatives, district-level smart projects like Saigon Sports City and Thu Thiem Lotte Eco Smart City are underway in Ho Chi Minh City. These projects incorporate smart security, mobility, and environmental solutions, along with innovations such as green energy technology, intelligent buildings, and waste treatment systems. These developments reflect Vietnam's commitment to creating sustainable, high-tech urban areas, with collaboration between domestic and foreign partners playing a crucial role in this transformation.

Through these initiatives, Vietnam is positioning itself as a leader in smart city development, with a strong focus on sustainability and technological innovation across its key urban areas.

Question 29: What would be the best title for the passage?

- A. The Challenges of Urban Development in Vietnam
- B. The Role of Foreign Investment in Vietnam's Growth
- C. Vietnam's Path to Smart City Development
- D. The Impact of COVID-19 on Vietnam's Economy

Question 30: What does the word "**accelerating**" in the passage mostly mean?

- A. slowing down
- B. speeding up
- C. stopping
- D. delaying

Question 31: What does the word "**which**" in paragraph 2 refer to?

- A. Smart Urban Operation Center
- B. Simulation Division
- C. Ho Chi Minh City
- D. government's Decision

Question 32: Which of the following statements is **TRUE** according to the passage?

- A. Smaller cities like Da Nang are facing more challenges in smart city development than Ho Chi Minh City.
- B. Ho Chi Minh City's smart city transformation includes a project for a new public transportation system.
- C. The development of Saigon Sports City is part of Ho Chi Minh City's smart city initiatives.
- D. The Vietnamese government has not yet approved any guidelines for smart city development.

Question 33: According to the passage, what challenge do established metropolitan areas like Ho Chi Minh City face?

- A. Lack of government support
- B. Outdated technologies
- C. Existing infrastructure
- D. Insufficient funding

Read the following passage and mark the letter A, B, C, or D on your answer sheet to indicate the correct answer to each of the questions from 34 to 40.

By 2050, cities around the world will undergo **dramatic** transformations driven by population growth and technological advancements. With the global population expected to exceed 9 billion, nearly 75% of people will live in urban areas. Cities will be reimagined with towering skyscrapers, multi-story roads, and interconnected skywalks. The lack of green spaces will lead to the creation of "concrete forests," where large buildings will not only house residents but also serve as vertical farms to meet food demands.

Urban infrastructure will see significant advancements as technology becomes deeply integrated into city life. Buildings will be equipped with smart systems for energy efficiency, and artificial intelligence will manage everything from traffic flow to public safety. Self-driving cars and flying vehicles, controlled by advanced computer systems, will become commonplace, reducing the risk of accidents and making transportation more efficient.

Environmental concerns will shape the future of cities, with a shift away from fossil fuels to alternative energy sources like hydrogen, solar, and wind. Smart cities will be designed to minimize their ecological footprint, incorporating green technology and sustainable practices to combat the challenges of climate change, including rising sea levels that threaten coastal areas.

The integration of 3D printing technology will **revolutionize** urban construction, allowing for rapid production of building materials and even entire structures. This will enable cities to expand and adapt quickly to the needs of their growing populations. Additionally, the development of interactive holograms and virtual reality will transform urban entertainment and communication, creating immersive experiences within the cityscape.

As cities continue to evolve, driven by rapid technological advancements and shifting societal needs, **they** will undergo significant transformations that will redefine urban living. These changes will not only

alter the physical landscape of cities but also revolutionize the way we interact with our environment and each other. The future of urban life in 2050 promises to be a blend of innovation and adaptation, as cities rise to meet the challenges and opportunities of a rapidly changing world.

Reference: chathamhouse

Question 34: What is the main idea of the passage?

- A. The decline of rural areas by 2050
- B. The transformation of cities
- C. The challenges of environmental pollution
- D. The development of vertical farms in urban areas

Question 35: The word "**dramatic**" in paragraph 1 is opposite in meaning to _____.

- A. gradual
- B. sudden
- C. remarkable
- D. insignificant

Question 36: According to the passage, what is one of the environmental changes expected in cities by 2050?

- A. Cities will primarily rely on coal for energy.
- B. Green spaces in cities will increase significantly.
- C. Cities will shift from fossil fuels to alternative energy sources
- D. Urban areas will stop using any form of energy by 2050.

Question 37: The word "**revolutionize**" in paragraph 4 is closest in meaning to _____.

- A. change
- B. build
- C. reuse
- D. transport

Question 38: Which of the following statements is **TRUE** according to the passage?

- A. Traditional cars will still be the main mode of transportation in 2050.
- B. Cities will be designed to reduce their ecological footprint.
- C. Urban areas will rely solely on fossil fuels by 2050.
- D. Buildings in 2050 will not use any form of smart technology.

Question 39: The word "**they**" in paragraph 5 refers to _____.

- A. cities
- B. advancements
- C. transformations
- D. changes

Question 40: It can be inferred from the passage that by 2050, _____.

- A. Rural areas will see a significant population increase
- B. Cities will have fully adapted to the challenges of climate change
- C. Technological advancements will completely eliminate the need for human labor
- D. The physical and social landscape of cities will be fundamentally altered