

Unit 3: CITIES OF THE FUTURE TEST 1

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. path B. article C. interact D. apple
 Question 2: A. cycle B. privacy C. community D. centre

Mark the letter A, B, C, or Dthat differs from the other three in the position of stress in each.....

- Question 3: A. sensor B. urban C. dweller D. advice
 Question 4: A. efficient B. livable C. negative D. interesting

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: As cities become smarter, city _____ will enjoy improved public services and greater connectivity.
 A. neighbours B. individuals C. suburbs D. dwellers
 Question 6: Now, the room _____ pleasant thanks to the fragrant bow.
 A. is smelling B. was smelling C. has smelled D. smells
 Question 7: Automated systems will help businesses _____ more efficiently, saving time and resources.
 A. provide B. operate C. predict D. include
 Question 8: Access to green spaces is essential for maintaining a high _____ of life in urban areas.
 A. quality B. traffic C. variety D. device
 Question 9: A strong _____ of community is essential for creating a supportive environment in the city
 A. attraction B. sense C. key D. privacy

Read the following advertisement/announcement and mark the letter A, B, C, or Dfrom 10 to 15.

Welcome to SmartCity - Your Future Home!

-  **Smart Living:** (10)_____ homes with cutting-edge technology designed to make life effortless and enjoyable.
 **Green Spaces:** Enjoy fresh air and nature with (11) _____ parks and green corridors throughout the city.
 **Connected Community:** Stay connected with ultra-fast internet and vibrant community events.
 **Sustainable Transport:** Travel with ease using (12)_____ buses, smart bikes, and pedestrian-friendly streets.
Join us at SmartCity - The Future is Now.
 Visit www.smartcity-future.com.

- Question 10: A. Impact B. Suffer C. Experience D. Sell
 Question 11: A. a B. an C. the D. Ø (no article)
 Question 12: A. private B. eco-friendly C. reusable D. lasting

Announcement: Urban Sustainability Conference 2024

We are excited to announce the upcoming **Urban Sustainability Conference 2024**, taking place on **September 15-17, 2024**, at the **GreenTech Convention Center**.
 This event will bring together city planners, environmental experts, and tech (13)_____ to discuss the future of (14)_____ urban living. Topics will include smart city development, green energy solutions, and eco-friendly transportation.
 Don't miss this opportunity to be part of (15)_____ the cities of tomorrow.
Register now at www.urbansustain2024.com.
 For more information, please contact us at info@urbansustain2024.com.
 We look forward to seeing you there!

- Question 13:** A. innovate B. innovation C. innovative D. innovators
Question 14: A. sustainable B. impossible C. industrial D. serious
Question 15: A. shape B. shaping C. to shaping D. to shape

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:

- a. This connectivity ensures that residents can manage their homes, work, and social lives with ease.
- b. Smart cities are designed to be highly connected, integrating various technologies into everyday life.
- c. Moreover, the efficiency of smart cities contributes to a more sustainable and eco-friendly urban environment.
- d. As a result, residents of smart cities can experience a higher quality of life with less environmental impact.
- e. One of the most significant advantages of living in a smart city is the seamless integration of technology.

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

Question 17:

- a. Smart cities are designed to enhance the quality of life for their residents by using cutting-edge technology and sustainable practices.
- b. I strongly believe that these innovations will shape the future of urban living, making cities more efficient and eco-friendly.
- c. Dear future residents,
- d. Furthermore, smart cities offer improved public services, better transportation, and greater energy efficiency.
- e. Thank you for considering making this smart choice for your future home.
- f. By choosing to live in a smart city, you are investing in a lifestyle that is both convenient and responsible.

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

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 cities of the future (18)_____ from the urban landscapes we know today. As we look ahead, several key characteristics are expected to define these next-generation urban centers:

Future cities will (19)_____ that integrates everything from transportation to energy management. Smart sensors, AI-driven systems, and the Internet of Things (IoT) will ensure that resources are used efficiently, minimizing waste and optimizing urban living.

Environmental sustainability will be at the core of future city development. (20)_____ will prioritize green energy sources, reduce carbon footprints, and implement waste management systems that promote recycling and composting. Urban planning will include extensive green spaces, vertical gardens, and eco-friendly buildings (21)_____.

In future cities, connectivity will extend beyond just the internet. Seamless communication between devices, infrastructure, and people will create a highly interconnected environment. Public transportation, healthcare, and emergency services will be more responsive and efficient, thanks to real-time data sharing and automated systems.

Cities of the future will be built to withstand and (22)_____ by climate change, natural disasters, and other unforeseen events. This resilience will be achieved through innovative building designs, flexible infrastructure, and comprehensive disaster preparedness strategies.

Above all, future cities will focus on improving the quality of life for their inhabitants. This will include not only the physical environment (23)_____. Cities will promote community engagement, offer a diverse range of cultural and recreational activities, and prioritize public health and well-being.

Reference: energyinformatics.springeropen

- Question 18:** A. set to be dramatically different B. are set to be different dramatically
 C. be set different dramatically D. are set to be dramatically different

- Question 19:** A. equip with advanced technology
B. be equipped with advanced technology
C. have equip with advanced technology
D. equip with significantly advanced technology
- Question 20:** A. These cities B. That city C. This city D. Those cities
- Question 21:** A. to enhance air quality and biodiversity
B. enhance air quality and biodiversity
C. with enhance air quality and biodiversity
D. to enhance air and biodiversity of quality
- Question 22:** A. adapt to the challenges pose B. adapted to the challenges pose
C. be adapted to the challenges pose D. adapt to the challenges posed
- Question 23:** A. neither social and cultural aspects
B. but also social and cultural aspects
C. either but also social and cultural aspects
D. both but also social and cultural aspects

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.

With the rise of greenhouse gases, debris in our oceans, and trash in our streets, smart cities are fighting back to reduce negative effects on the environment. Energy-efficient buildings, air quality (24)_____, and renewable energy sources are providing cities with new tools to shrink their ecological impact.

Deploying air quality sensors around a city, for instance, can provide data to track peak times of low air quality, identify pollution causes, and deliver data analytics officials need to develop (25)_____ action plans. These sensors can help lay a foundation for reducing air pollution in even the most populated cities, something (26)_____ is sure to save lives since medical problems related to pollution claim millions of lives each year. (27)_____, the City of Chicago, installed nodes to serve as a “fitness tracker” for the city, measuring factors that impact livability in Chicago such as climate, air quality and noise to help(28)_____ heavy vehicle traffic, identify standing water in real time to prevent property damage and illness and observe which areas of the city are heavily populated by pedestrians at different times of day to suggest safe and efficient routes for walking to improve pedestrian safety.

Adapted from plantemoran.com

- Question 24:** A. founders B. assistants C. sensors D. natives
- Question 25:** A. much B. many C. every D. another
- Question 26:** A. that B. whom C. whose D. what
- Question 27:** A. Such as B. However C. Therefore D. For example
- Question 28:** A. affect B. detect C. cover D. replace

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.

While smart cities offer numerous benefits to city dwellers, **they** also present several challenges that must be carefully considered.

One of the most **pressing** issues in a smart city is the secure management of sensitive information. To make informed decisions, a variety of data—ranging from energy consumption to personal details like CCTV footage—must be collected. However, this raises concerns about data security and privacy. The local government must ensure that this information is handled with the highest level of security and is resilient against cyber attacks. Additionally, the collection and use of personal data by authorities can lead to increased social control, which poses significant privacy concerns.

Many companies in the smart city sector are relatively new, with business models that have not yet been fully tested or proven profitable. Despite significant investment from cities, these companies need to establish sustainable business practices to ensure long-term viability. Furthermore, the operation of smart cities requires a workforce

equipped with specialized skills, which are currently in short supply. To address this gap, cities need to invest in training and educational programs to prepare workers, government officials, and citizens for the demands of a smart city.

Transforming an urban area into a smart city requires substantial investment. Buildings need to be renovated or fitted with IoT sensors and high-speed internet connections, and public transport and infrastructure must be upgraded with smart technology. These improvements come with high costs, and cities must carefully evaluate what is necessary to achieve the desired transformation.

Reference: smart-cre

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

- A. The Challenges of Smart Cities
- B. The Future of Urban Living
- C. How to Build a Smart City
- D. The Impact of Technology on Modern Cities

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

- A. simple
- B. urgent
- C. simple
- D. general

Question 31: What is a significant challenge mentioned in the passage regarding smart city companies?

- A. Their reliance on outdated technology
- B. Their need for more financial investment
- C. Their unproven and untested business models
- D. Their lack of government support

Question 32: According to the passage, what is a critical requirement for smart cities to function properly?

- A. Universal access to the internet
- B. Sufficient investment in infrastructure
- C. A workforce with specialized skills
- D. A reduction in government control

Question 33: What does the word "**they**" in paragraph 1 refer to?

- A. city dwellers
- B. smart cities
- C. benefits
- D. challenges

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.

London, the capital of the United Kingdom, is recognized as the smartest city in the world. This achievement is largely due to the "Smarter London Together" initiative led by Mayor Sadiq Khan, **which** outlines goals for enhancing the city's infrastructure. The strategy focuses heavily on improving traffic flow and reducing congestion through technologies such as the congestion charge, contactless payment, and the ultra-low emission zone. Data collected from cameras and sensors helps manage these systems. Additionally, London encourages walking by providing an app with walking routes, aiming for 80% of journeys to be on foot, by bicycle, or via public transport. The city also supports businesses in the smart city sector by making **extensive** city data available for developing new technologies.

New York, the most populous city in the United States, is another leader in smart city development. Facing challenges related to environmental sustainability, New York launched the Smart Cities Programme, upgrading over 600 government buildings with energy-saving LED lighting systems. Smart meters were also installed in various properties to maintain sustainable water use, with sensors that alert residents to leaks. Air-quality sensors and an **optimized** traffic control system further enhance the city's environment. New York also supports smart city innovations through the Smart Cities Innovation Partnership, offering up to \$1 million in funding to companies developing new technologies.

Paris ranks as the third smartest city globally according to the IESE Index. The city has made significant strides toward becoming a smart and sustainable metropolis, particularly in response to issues like low air quality, limited green spaces, and high congestion. To improve air quality, Paris promotes electric cars and public transport, with Renault testing an induction charging system for easier car charging. Paris is also transforming into a "15-minute

city," where all essential services are within a 15-minute walk. Efforts to green the city include the creation of the largest urban farm, with plans for more parks and roof gardens.

Reference: smart-cre

Question 34: What would be the best title for the passage?

- A. The Role of Technology in Modern Cities
- B. The Development of Smart Cities
- C. How Cities are Becoming Smarter
- D. The Future of Urban Innovation

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

- A. Limited
- B. Widespread
- C. Unique
- D. Optional

Question 36: What is the primary purpose of the Smart Cities Innovation Partnership in New York?

- A. To create urban farms
- B. To encourage the use of electric vehicles
- C. To provide financial support for developing smart technologies
- D. To improve air quality

Question 37: The word "**optimized**" in paragraph 2 is closest in meaning to _____.

- A. Improved
- B. delayed
- C. reduced
- D. complicated

Question 38: What does the word "**which**" in paragraph 1 refer to?

- A. Smarter London Together
- B. Mayor Sadiq Khan
- C. the United Kingdom
- D. London

Question 39: Which of the following statements is **NOT** true according to the passage?

- A. London uses cameras and sensors to help manage traffic congestion.
- B. New York has upgraded over 600 government buildings with LED lighting systems.
- C. Paris has focused on reducing air quality by encouraging public transport and electric cars.
- D. The "Smarter London Together" initiative aims to improve the city's infrastructure.

Question 40: Which of the following can be inferred about the traffic control systems in both London and New York?

- A. They primarily rely on human intervention.
- B. They are completely independent of technological inputs.
- C. They use technology to manage and optimize traffic flow.
- D. They have not been fully implemented yet.

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. hosehold 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:

- a. The introduction of smart technologies in cities can help reduce traffic congestion and improve public transportation.
- b. In future cities, people are expected to live in more sustainable and eco-friendly environments.
- c. Additionally, urban areas will likely see an increase in green spaces and renewable energy sources.
- d. As cities evolve, the quality of life for residents will continue to improve with better infrastructure and services.
- e. 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/QĐ-TTĐ, 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.

Reference: ycpsolidiance

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

Unit 3: CITIES OF THE FUTURE TEST 3

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. cycle B. city C. privacy D. community

Question 2: A. sensor B. smart C. reason D. sustain

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. carbon B. private C. reduce D. problem

Question 4: A. museum B. operate C. architect D. character

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: The new app is a solution _____ finding parking in the city.

- A. for B. to C. of D. in

Question 6: Using the card _____, you can pay for the tram quickly by your credit card.

- A. machine B. tool C. reader D. scanning

Question 7: The local garden brings a sense of _____ to the neighborhood.

- A. privacy B. article C. community D. sensor

Question 8: In a survey about urban experience, people report that they often _____ safer in a smart city.

- A. feel B. are feeling C. are not feeling D. don't feel

Question 9: The modern skyscraper looks _____ with a beautiful lighting system, especially at night.

- A. terribly B. terrific C. terrifically D. terrible

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 15.

APARTMENT FOR RENT

Apartment Features:

 2 (10) _____ bedrooms with big windows

 Close to popular shops, cafes, and restaurants

 Large living room with (11) _____ natural light

 We ensure this apartment (12) _____ the most comfortable, and convenient design!

Buy now: www.realestatemodern.com

Question 10: A. space B. spaciously C. spacious D. spaciousness

Question 11: A. many B. a lots of C. lots of D. lot of

Question 12: A. have B. has C. is having D. are having

Announcement: Pedestrian Zone Maintenance

We are sorry to inform you that the pedestrian zone will be closed for maintenance.

Here are what will happen in our neighborhood:

- Maintenance work starts on Tuesday, August 22.
- Workers will repair the (13) _____.
- It will look (14) _____ again when it is finished.

Please use another path (15) _____ this time.

Thank you for your cooperation!

- Question 13:** A. infrastructure B. community C. skyscraper D. article
Question 14: A. perfect B. perfectly C. imperfect D. imperfectly
Question 15: A. while B. when C. about D. during

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:

- a. This is especially good for families, the elderly, and people with disabilities.
- b. A pedestrian zone makes the area much safer.
- c. The area is also quieter and cleaner without traffic.
- d. Without cars, people can walk, shop, and meet others without worrying about accidents.
- e. Overall, pedestrian zones create a safer and more welcoming space for everyone.

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

Question 17:

- a. This is creating dangerous situations for both cyclists and pedestrians.
- b. Despite signs, many do not use the designated crossing areas.
- c. I am writing to express my concern about people frequently crossing the cycle path in our area.
- d. Dear Sir/Madam,
- e. I kindly request that more measures be taken to ensure safety, such as better signage or barriers.
- f. Sincerely,
- g. Thank you for your attention to this matter.

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

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.

In the year 2100, cities are likely to be very different from what we see today. As technology continues to grow, (18) _____. For example, buildings might be designed to use energy from the sun and wind, making them much more eco-friendly. Transportation is also expected to change a lot, with more electric cars and buses, and perhaps even flying vehicles! Streets could be designed not just for cars, but also to provide more space for people to walk and bike. Green spaces, like parks and gardens, (19) _____, helping to make cities healthier and more beautiful.

Technology is also expected to make our lives easier. Smart homes could become the norm, where people are able to control lights, temperature, and security with (20) _____. Communication and work will likely be more flexible too, with more people working from home or anywhere they want. This could mean that long commutes become less necessary, (21) _____.

At the same time, cities might face challenges like (22) _____. To handle these issues, cities will need to find new ways to manage resources, like water and food, and to protect themselves from natural disasters. Communities will need to work together to solve these problems and ensure that cities remain safe and livable.

Overall, while cities in 2100 are expected to be more advanced and comfortable, (23) _____ to make sure they are good places for everyone to live.

Adapted from: <https://futurecity.org>

- Question 18:** A. cities probably become smarter and more efficient
 B. cities is probably becoming smarter and more efficient
 C. cities probably becomes better and more useful
 D. cities are probably becoming smarter and more efficient
- Question 19:** A. will likely be more common B. will likely be more commonly
 C. will likely become stranger D. will likely become more strangely
- Question 20:** A. his voices or phones B. their voices or phones
 C. our voices or phones D. her voices or phones
- Question 21:** A. which makes city life more stressful.
 B. that makes city life more stressful.
 C. that makes city life less stressful.
 D. which makes city life less stressful.
- Question 22:** A. sustainable cities and urban center B. smart cities and automatic sensors
 C. overpopulation and climate change D. roof gardens and personal privacy
- Question 23:** A. and they will still need to plan carefully
 B. so they will still need to plan carefully
 C. but they will still need careful planning
 D. they will still need careful planning

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.

In modern cities, the sense of community is very important but often hard to find. With so many people living close together, it might seem (24) _____ to build connections, but the fast pace of city life can make it difficult. People are often busy with work, commuting, and other responsibilities, leaving little time to get to know their (25) _____. However, a strong sense of community can make city life much better. When people feel connected to those around them, they are more likely to help each other and work together to improve their neighborhood. (26) _____, communities can organize events like street fairs or clean-up days, which bring people together and make the area nicer for everyone. Public spaces like parks, pedestrian zones, and community centers also play a big role in creating a sense of belonging. These places give people a chance to meet, talk, and build friendships. Even small things, like saying hello to a neighbor or helping someone with their groceries, can (27) _____ a big difference. When people feel they belong, they are happier and more willing to contribute to their community. In the end, the sense of community in modern cities is something that needs to be nurtured, but it brings (28) _____ benefits, making city life richer and more enjoyable for everyone.

Adapted from <https://www.smartcitiesworld.net>

- Question 24:** A. easy B. easily C. easier D. more easily
- Question 25:** A. pedestrians B. neighbors C. skyscrapers D. dwellers
- Question 26:** A. For example B. In short C. Due to D. Nevertheless

Question 27: A. give B. take C. make D. have

Question 28: A. much B. little C. few D. many

Read the.....from 29 to 33.

Pedestrian zones, also known as car-free zones, are areas within a city where vehicles are prohibited, allowing only foot traffic. These zones offer a variety of benefits, but they also come with several challenges that need careful consideration.

One of the **primary** advantages of pedestrian zones is the improvement in air quality. With fewer cars on the road, there is a significant reduction in air pollution, making the environment healthier for residents and visitors. Additionally, pedestrian zones can enhance the safety of city centers by reducing the number of traffic accidents involving pedestrians. The absence of vehicles also creates a more pleasant and accessible space for walking, shopping, and socializing, which can boost local businesses.

However, creating pedestrian zones can also present challenges. For example, local businesses that rely on vehicle traffic might experience a decrease in customers. Deliveries to stores within the zone can become more complicated and costly, requiring careful planning and coordination. Moreover, pedestrian zones may lead to increased traffic congestion in surrounding areas as drivers seek alternative routes. Cities must carefully balance the benefits of pedestrian zones with the potential drawbacks to ensure they create a positive impact on both the environment and the local economy.

Transforming a busy city street into a pedestrian zone also requires significant investment. Streets need to be repaved or redesigned to accommodate foot traffic, and additional amenities such as benches, lighting, and signage may need to be installed on them. These upgrades can be expensive, and cities must carefully consider the costs and benefits before making such a decision.

Adapted from <https://www.smartcitiesworld.net>

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

- A.** The benefits and challenges of pedestrian zones
B. Ways to design a pedestrian zone.
C. The history and future of urban transportation
D. The impact of car-free areas on cities

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

- A. main B. common C. easy D. usual

Question 31: According to the passage, who can be negatively affected by creating pedestrian zones?

- A.** local businesses **B.** customers **C.** pedestrians **D.** local authorities

Question 32: According to the passage, which of the following sentences is **NOT** true?

- A.** Creating pedestrian zones improves the air quality.
- B.** Pedestrian zones help reduce the number of vehicles.
- C.** Pedestrian zones may lead to more traffic congestion.
- D.** It is cheap to transform city streets into pedestrian zones.

Question 33: What does the word "**them**" in paragraph 3 refer to?

- A.** amenities **B.** benches **C.** streets **D.** upgrades

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.

Singapore is one of the world's leading smart cities. It uses **advanced** technology to make life easier and better for its people. For example, Singapore has a smart transportation system. The buses and trains are connected to the internet, so people can check the schedules in real time on their phones. This helps them know exactly when the next bus or train is coming, making travel more **convenient**. In addition, the city also focuses on saving energy. Many buildings in Singapore have smart systems that control lights and air conditioning. These systems only use energy when it is needed, which helps to save electricity and reduce costs. Singapore is also working on being a green city by planting more trees and using more solar power.

Safety is another important part of Singapore's smart city plan. The government always uses cameras and sensors to monitor the streets. This helps to keep the city safe and allows the police to respond quickly to any problems. People in Singapore feel more secure knowing that the city is always watching out for **them**. In short, in Singapore, technology is used to improve daily life in many ways. The city's goal is to become even smarter in the future by continuing to develop and use new technologies. Singapore shows how a smart city can use technology to create a better environment for everyone who lives there.

Adapted from: <https://www.gov.sg>

Question 34: What would be the best title for the passage?

- A. The role of technology in modern cities.
- B. How Singapore became a smart city.
- C. The future of urban and modern living.
- D. Transportation systems around the world.

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

- A. Simple
- B. Complex
- C. Modern
- D. Useful

Question 36: According to the passage, what is the purpose of using smart systems in Singapore?

- A. To monitor weather conditions
- B. To improve public safety
- C. To control water and air pollution
- D. To guide tourists around the city

Question 37: The word "**convenient**" in paragraph 1 is closest in meaning to _____.

- A. Difficult
- B. High – rise
- C. Useful
- D. Reliable

Question 38: What does the word "**them**" in paragraph 2 refer to?

- A. The police
- B. Singaporean
- C. the streets
- D. problems

Question 39: Which of the following statements is **NOT** true according to the passage?

- A. Singapore uses smart systems to save energy in buildings.
- B. The transportation system in Singapore is connected to the internet.
- C. Singapore has planted fewer trees to focus on technology.
- D. The city aims to use more solar power in the future.

Question 40: Which of the following can be inferred about the safety measures in Singapore?

- A. They are mostly manual and require a lot of human effort.
- B. They rely heavily on technology to ensure public safety.
- C. They are only effective in certain parts of the city.
- D. They are primarily focused on preventing natural disasters.