

Read the following passage about smart growth 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 23 to 30.

Smart Growth

Recently, experts have tried to **curb** the spread of suburban sprawl, or at least create urban areas that are developed more purposefully. This is known as "smart growth." City planners create communities that are designed for more walking and less dependency on cars. Some developers recover old communities in downtown urban areas, rather than develop the next piece of farmland or wilderness.

U.S. states such as Oregon are passing laws to prevent unplanned urban sprawl. **They** have created boundaries around cities that limit the growth of development. Officials have created laws stating that the minimum size of a plot of land is 32 hectares (80 acres). This is to prevent developers from creating suburban communities. An 80-acre plot of land is **financially impractical** for a single-family home!

Other smart-growth communities are creating new types of development. Some have large amounts of undeveloped "green space," organic farms, and lakes. Urban areas typically drain the water from rain and snow, which cannot collect in the paved-over ground. Rather than use drainage pipes and ditches, smart-growth communities create wetlands designed to filter storm runoff.

More city planners are developing urban areas by considering their geography. **Engineers construct buildings that integrate seamlessly with the surrounding environment, drawing upon natural resources.** White roofs, for example, reflect the sun's rays and lower the cost of air conditioning. Homebuilders in urban areas as diverse as Los Angeles, California, U.S., and the island communities of Greece create homes and businesses with white plaster or tile roofs for this reason.

There is also a move toward preserving and maintaining more green areas and planting more trees in urban areas. Landscape designers often consult with city planners to incorporate parks with development.

[Adapted from National Geographic]

Question 23: Which of the following is **NOT** mentioned in the passage as a feature of smart growth?

- A. Promoting walking instead of driving
- B. Revitalizing old neighborhoods
- C. Increasing housing prices
- D. Preserving green spaces

Question 24: The word "curb" in paragraph 1 is **OPPOSITE** in meaning to _____.

- A. control
- B. encourage
- C. limit
- D. restrict

Question 25: The phrase "financially impractical" in paragraph 2 could be best replaced by _____.

- A. too suitable
- B. too costly
- C. easily affordable
- D. very reasonable

Question 26: The word "they" in paragraph 2 refers to _____.

- A. planners
- B. officials
- C. U.S. states
- D. urban areas

Question 27: Which of the following is **NOT TRUE**, according to paragraphs 2 and 3?

- A. The government restricts development in suburban areas by increasing the requirements for building houses.
- B. The government wants people to build houses of at least 80 acres to reduce the cost burden and limit land use.
- C. The states encourage residents to develop housing in already developed areas.
- D. They have created new technologies to address the issue of rainwater accumulation on paved surfaces.

Question 28: Which of the following best paraphrases the underlined sentence in paragraph 4?

- A. The rapid growth gradually leads people toward using natural energy sources and sustainable structures instead of artificial constructions
- B. Over time, people have consistently built structures that integrate with the natural environment and efficiently make use of natural energy sources.
- C. Structures are optimally designed to blend with the natural environment while effectively utilizing available natural resources
- D. Engineers have created impressive structures that integrate with nature, efficiently using available resources alongside advanced human technology.

Question 29: In which paragraph does the writer mention the laws created to prevent urban sprawl?

- A. Paragraph 1
- B. Paragraph 2
- C. Paragraph 3
- D. Paragraph 4

Question 30: In which paragraph does the writer explain how smart growth communities manage stormwater?

- A. Paragraph 1
- B. Paragraph 2
- C. Paragraph 3
- D. Paragraph 4

Read the following passage about climate change 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 31 to 40.

Climate change refers to the long-term alteration of temperature and typical weather patterns in a place. This phenomenon is largely driven by human activities, particularly the burning of fossil fuels such as coal, oil, and gas, which increase the concentration of greenhouse gases in the atmosphere. **They** trap heat from the sun, leading to global warming and causing severe weather events, such as hurricanes, floods, and droughts, to become more frequent and intense. Climate change impacts nearly every region of the world and affects the natural environment, economies, and human health.

As temperatures rise, polar ice caps and glaciers are melting at alarming rates, contributing to rising sea levels. Coastal regions face an increased risk of flooding, and many low-lying islands are at risk of disappearing entirely. Additionally, higher temperatures lead to the warming of oceans, affecting marine ecosystems and causing coral bleaching, which threatens biodiversity and the livelihoods of millions of people who depend on fishing.

[I] The **consequences** of climate change are not just environmental; they also affect human society in significant ways. **[III]** Changes in weather patterns disrupt agriculture, leading to crop failures and food shortages in vulnerable regions. **[III]** Furthermore, climate

Question 31: Where in paragraph 3 does the following sentence best fit?

"These impacts have far-reaching consequences that extend beyond environmental damage."

A. [I] B. [II] C. [III] D. [IV]

Question 32: The phrase "pave the way for" in paragraph 4 could best be replaced by _____.

A. stand in the way of B. block progress to
C. prepare a path toward D. add complexity to

Question 33: The word "They" in paragraph 1 refers to _____.

A. severe weather events B. greenhouse gases
C. fossil fuels D. human activities

Question 34: Which of the following is NOT mentioned as an effect of climate change in the passage?

A. An increase in the frequency of extreme weather events
B. Sea-level rise significantly impacting coastal communities
C. Health issues related to rising temperatures
D. The disappearance of various animal species due to climate change

Question 35: Which of the following best summarizes paragraph 4?

A. Only by transitioning to renewable energy sources can we successfully combat climate change, without relying on the efforts of individuals or governments.
B. Climate change is largely driven by natural processes, implying that addressing this issue is a global responsibility rather than one for individuals or governments.
C. Successfully addressing climate change requires personal responsibility, community action, and government regulations focused on reducing greenhouse gas emissions.
D. The fight against climate change heavily depends on government actions, while public involvement and individual changes play a minimal role.

Question 36: The word "consequences" in paragraph 3 is **OPPOSITE** in meaning to _____.

A. causes B. signification
C. solutions D. outcome

Question 37: Which of the following is **TRUE** according to the passage?

A. Climate change significantly affects both the environment and human society in a few regions around the world.
B. Government efforts aim solely to address the impacts of climate change on human health.
C. Protecting forests and advancing technology can completely reduce the effects of climate change.
D. The phenomenon of global warming negatively impacts the livelihoods of fishermen in coastal areas.

change is linked to health issues such as respiratory diseases, heat strokes, and the spread of diseases carried by insects, like malaria and dengue fever. **[IV]**

To combat climate change, a coordinated global effort is necessary.

Governments, organizations, and individuals all have roles to play in reducing greenhouse gas emissions and promoting sustainable practices.

Shifting to renewable energy sources, such as wind, solar, and hydropower, is essential. Additionally, conserving forests and investing in technology that captures carbon dioxide from the atmosphere can help mitigate the effects of climate change and **pave the way for** a healthier planet.

Question 38: Which of the following best paraphrases the underlined sentence in paragraph 4?

- A.** If reducing greenhouse gas emissions and promoting sustainable practices is a common role, then both the government and individuals must take action.
- B.** Because the government, organizations, and individuals work closely together, greenhouse gas emissions are reduced and sustainable practices are promoted.
- C.** If the government and organizations join hands, then reducing greenhouse gas emissions and promoting sustainable practices will be more effective.
- D.** Reducing greenhouse gas emissions and promoting sustainable practices is a shared responsibility of the government, organizations, and individuals.

Question 39: Which of the following can be inferred from the passage?

- A.** Coral bleaching is a natural phenomenon that commonly occurs in coastal areas when ocean temperatures decrease due to climate change.
- B.** Almost all diseases today are a result of climate change, with respiratory diseases, malaria, and dengue fever becoming increasingly prevalent.
- C.** Climate change mainly affects urban centers and coastal regions while leaving rural areas unaffected.
- D.** Unemployment and food insecurity are consequences of the impact of climate change on people in coastal areas and rural.

Question 40: Which of the following best summarizes the passage?

- A.** Solutions to mitigate the causes of global warming are being promoted to address its impacts on the economy.
- B.** Climate change is a significant global issue caused by human activities, affecting various aspects of the environment and society, and requiring coordinated efforts to prevent its escalation.
- C.** The impacts of climate change are evident in most regions, causing serious consequences for the global ecosystem as a whole, and measures are needed to mitigate global warming.
- D.** Investing in modern technologies to develop scientific measures aimed at reducing the risks of natural disasters caused by global warming for humanity is one of the best approaches.

