

DE 28-QUESTION-ANSWER

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 23 to 30.

Green startups have emerged as forces for positive environmental change. These companies create sustainable solutions for urgent ecological challenges. Unlike traditional businesses prioritizing profits, green startups balance financial goals with environmental responsibility. Many were founded by young entrepreneurs who witnessed environmental **degradation** and felt compelled to act. Their mission extends beyond making money; they aim to heal our planet while building successful businesses.

Eco-friendly startups have grown across various sectors. From renewable energy and sustainable agriculture to zero-waste products, these companies revolutionize how we interact with our environment. GreenWave developed ocean farming requiring no fertilizers while capturing carbon. Notpla created edible packaging from seaweed as a plastic alternative. These innovations show how creativity and environmental consciousness produce extraordinary results. **Their** success proves sustainability and profitability can coexist.

Funding for green startups has increased in the past decade. Investors recognize supporting environmentally responsible businesses is both ethical and financially **prudent**. Venture capitalists have established funds dedicated to sustainable startups, providing capital to scale operations. Government grants have become more accessible to entrepreneurs developing green technologies.

Question 23: According to the passage, which of the following is NOT mentioned as a challenge faced by green startups?

- A. Regulatory hurdles
- B. Competition from established industries
- C. Lack of consumer interest
- D. Initial market entry difficulties

Question 24: The word “**degradation**” in paragraph 1 is OPPOSITE in meaning to _____.

- A. decline
- B. deterioration
- C. destruction
- D. improvement

Question 25: The word “**Their**” in paragraph 2 refers to _____.

- A. Eco-friendly startups
- B. These companies
- C. These innovations
- D. GreenWave and Notpla

Question 26: The word “**prudent**” in paragraph 3 could be best replaced by _____.

- A. expensive
- B. wise
- C. difficult
- D. unnecessary

Question 27: Which of the following best paraphrases the underlined sentence in paragraph 4?

- A. Green companies will succeed because buyers now prefer eco-friendly items.
- B. Environmental firms may struggle despite growing interest in sustainability.
- C. Consumers are slowly changing habits but remain hesitant about green goods.
- D. Future markets will force all businesses to adopt sustainable manufacturing.

Question 28: Which of the following is TRUE according to the passage?

Despite positive developments, green startups still face regulatory hurdles and competition from established industries resistant to change.

The future looks promising for environmental businesses as consumers shift toward sustainable products. Studies show modern consumers, particularly younger generations, will pay premium prices for eco-friendly alternatives. This trend creates fertile ground for green startups to thrive. As climate concerns intensify, demand for innovative environmental solutions will grow stronger. Green startups are positioned to meet this demand while driving positive change, demonstrating business innovation and environmental stewardship can create a sustainable world.

- A.** Green startups prioritize profits over environmental responsibility.
- B.** Traditional companies lead innovation in environmental technologies.

- C.** Government funding for eco-friendly businesses has steadily decreased.
- D.** Younger consumers will pay more for sustainable product alternatives.

Question 29: In which paragraph does the writer mention green startups are working in many different industries with impressive innovations?

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

Question 30: In which paragraph does the writer mention how green startups obtain financial support?

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

Read the following passage about the Science in Service of Humanity 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.

Science has come out of its shell in laboratories to become a powerful force for human advancement. Modern scientific endeavors increasingly focus on addressing real-world challenges affecting communities globally. From developing vaccines that save millions to creating technologies connecting people across continents, science serves humanity in countless ways. This shift represents a fundamental evolution in how we perceive scientific progress—not merely academic pursuit but a practical tool for improving lives and solving pressing problems.

[I] Medical breakthroughs exemplify how science directly benefits humanity. [II] For instance, gene therapy offers hope for those with inherited conditions, while artificial intelligence helps diagnose diseases earlier and more accurately. [III] These advancements didn't happen overnight; scientists had to burn the midnight oil for years before achieving success. [IV] Their perseverance demonstrates that when science targets humanitarian goals, results can transform society profoundly.

Environmental science has emerged as another crucial domain where laboratory work translates into human welfare. Climate scientists provide data informing policy decisions affecting billions. Conservation biologists develop strategies to protect biodiversity, ensuring future generations

Question 31: The phrase “come out of its shell” in paragraph 1 could be best replaced by _____.

A. step up B. branch out C. break through D. move beyond

Question 32: Where in paragraph 2 does the following sentence best fit?

Researchers have developed treatments for previously incurable diseases, extended lifespans, and improved quality of life.

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

Question 33: Which of the following is NOT mentioned as a way science serves humanity?

A. Developing vaccines
B. Building military weapons
C. Creating communication technologies
D. Protecting biodiversity

Question 34: Which of the following best summarises paragraph 3?

A. Environmental science faces insurmountable challenges despite its potential benefits to society.
B. Climate scientists and biologists compete for limited funding to address environmental challenges.
C. Environmental science applies laboratory research to human welfare while facing ongoing obstacles.
D. Agricultural innovations represent the most important contribution of environmental science today.

Question 35: The word “informing” in paragraph 3 is OPPOSITE in meaning to _____.

A. concealing B. guiding C. instructing D. enlightening

Question 36: The word “their” in paragraph 3 refers to _____.

A. Environmental scientists B. Politicians
C. Future generations D. Natural resources

Question 37: Which of the following best paraphrases the underlined sentence in paragraph 4?

A. Contemporary scientific methods exclusively rely on traditional academic expertise and laboratory research.
B. Modern science primarily values indigenous knowledge while minimizing contributions from academic institutions.
C. Current scientific frameworks integrate varied viewpoints from both traditional wisdom and public involvement.

<p>benefit from natural resources. Agricultural researchers create drought-resistant crops helping communities withstand changing climate conditions. Despite these contributions, environmental science faces challenges including funding limitations, political resistance, and urgency of addressing accelerating climate change. Nevertheless, dedicated scientists continue their work, recognizing environmental health directly impacts human wellbeing.</p> <p>The future of science in service of humanity looks increasingly collaborative and inclusive. <u>Modern approaches incorporate diverse perspectives, including indigenous knowledge and community participation.</u> Citizen science projects engage non-professionals in data collection, democratizing the scientific process. Open-access publishing makes research findings available to anyone with internet access, not just wealthy institutions. These developments suggest science's greatest potential lies in becoming more accessible and responsive to human needs. As we face complex global challenges, from pandemics to climate change, science serving humanity offers our best hope for a sustainable future.</p>	<p>D. Today's research methodologies separate community input from professional scientific investigation procedures.</p> <p>Question 38: Which of the following is TRUE according to the passage?</p> <p>A. Environmental science receives adequate funding despite political resistance to climate change initiatives.</p> <p>B. Scientific progress is primarily measured by academic publications rather than practical human benefits.</p> <p>C. Citizen science projects are considered less valuable than research conducted by professional scientists.</p> <p>D. Gene therapy provides promising treatment options for people suffering from inherited medical conditions.</p> <p>Question 39: Which of the following can be inferred from the passage?</p> <p>A. Scientific research should prioritize theoretical advancement over practical applications for humanity.</p> <p>B. Scientific progress requires both specialized expertise and broader societal participation to flourish.</p> <p>C. Indigenous knowledge systems have historically received adequate recognition in mainstream science.</p> <p>D. Environmental challenges would resolve naturally if scientists focused exclusively on medical research.</p> <p>Question 40: Which of the following best summarises the passage?</p> <p>A. Scientific research primarily benefits wealthy institutions through exclusive access to knowledge and resources.</p> <p>B. Medical breakthroughs represent the most significant contribution of science to human welfare and advancement.</p> <p>C. Science has evolved from academic pursuit to practical force addressing global challenges through collaboration.</p> <p>D. Environmental science faces insurmountable obstacles despite scientists' dedication to protecting natural resources.</p>
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