Read the following passage about seawater treatment and mark the letter A, B, C or D on your answer sheet to indicate the option that best fits each of the numbered blanks from 18 to 22.

Why don't we get our drinking water from the ocean?

If you're stuck at sea and thirsty, drinking seawater might seem like an option, but it's dangerous, Seawater is much saltier than your blood, (18) _____, making you more dehydrated. Your kidneys try to get rid of the extra salt, but they need fresh water to do that. Without enough fresh water, drinking seawater can lead to salt poisoning, causing serious damage to your cells and organs.

To survive in this situations, you need to find or create a source of freshwater. In the 4th century BCE, a philosopher described two ways of turning seawater into drinkable water: thermal desalination and reverse osmosis. Thermal desalination, an ancient method, (19) _____. Reverse osmosis uses pressure to push seawater through a membrane that filters out the salt. Both methods are still used today to make seawater drinkable, though each has its challenges. In terms of their efficiency, reverse osmosis is more energy-efficient and less wasteful than thermal desalination. (20) _____.

An alternative source of freshwater is wastewater. Reverse osmosis can purify wastewater more easily than seawater, as it contains less salt and fewer contaminants. By producing safe, drinkable water with reduced energy consumption, (21) _____.

In a survival situation at sea, drinking your urine or eating protein-rich foods is not a good idea, as it can make you more dehydrated. (22) _____. In extreme cases, people have resorted to drinking blood from animals as an emergency hydration source, though this is far from ideal and should only be used if necessary.

LIVEWORKSHEETS

(Adapted from https://www.ted.com)

Question 18:

A. their cells are full of many other liquids

B. which causes water to leave your cells

C. led water to be removed from your cells

D. flowing out of your cells through water

Question 19:

A. whose water production includes seawater heating and vapor conversion

B. having involved two phases: seawater heating and water condensation

C. involves heating seawater to produce vapor and then condensing it into water

D. of which the process focuses on heating seawater and turning vapor into water

Question 20:

A. This results in the choice of thermal desalination as the primary technique used worldwide

B. This explains why reverse osmosis offers higher energy costs and better water quality

C. This requires humans to use more natural resources to ensure cleaner and drinkable water

D. This makes reverse osmosis the preferred choice for most desalination plants in the world

Question 21:

A. time and resources are distributed in an organized manner

B. this recycling process tends to be more complex and costly

C. future desalination could rely on wastewater as a reliable source

LIVEWORKSHEETS

D. wastewater recycling becomes a promising solution to water scarcity

Question 22:

A. Without saving your body's water supply and focusing on finding fresh water sources, you could survive in this circumstance

B. In this situation, conserving your body's water supply and focusing on finding freshwater sources are key to long- term survival

C. In this condition, your body's water supply and fresh water sources play an insignificant role in determining your survival

D. Storing your body's water supply and focusing on finding fresh water sources also makes you feel more dehydrated in this context

Read the following passage about electrical vehicles 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.

Electric vehicles have seen a significant rise in popularity over the past decade. With advancements in technology, increasing environmental awareness, and **supportive** government policies, more people are considering making the switch from traditional internal combustion engine vehicles to electric ones.

Electric vehicles (EVs) are rapidly gaining popularity due to several compelling factors. First, the environmental benefits of EVs, such as reduced greenhouse gas emissions and lower pollution levels, align with growing global concerns about climate change. Second, technological advancements have significantly improved battery efficiency and range, making EVs more practical and accessible for everyday use. Third,

LIVEWORKSHEETS

the decreasing cost of EVs, fueled by economies of scale and government incentives, makes **them** an increasingly attractive option for consumers. Fourth, the expanding charging infrastructure provides greater convenience, reducing range anxiety and making EV ownership more viable. Finally, the increasing awareness of the long-term financial savings, including lower maintenance and fuel costs, further drives the shift towards electric vehicles. As these factors continue to **converge**, the adoption of EVs is expected to accelerate, marking a significant shift in the automotive industry towards a more sustainable future.

Although there are some concerns about the inconvenience of electrical vehicles, it is clear that they are not just a passing trend but a significant transformation in the way we think about transportation. Governments and industries are increasingly supporting this shift through investments in renewable energy and policies that encourage EV adoption.

Furthermore, as consumer preferences lean more towards sustainability and innovation, the automotive industry is likely to see even more rapid advancements in EV technology and infrastructure. This growing commitment from all sectors suggests that electric vehicles will play a crucial role in shaping a cleaner, more efficient, and sustainable future for transportation.

(Adapted from https://ecofreek.com)

Question 23: Which of the following is NOT mentioned as one of the reasons for the development of electric vehicles?

A. Government policies supporting electric vehicles

B. The technological breakthroughs in battery production

LIVEWORKSHEETS

C. The environmental benefits of electric vehicles

D. The rise in popularity of electric vehicle models

Question 24: The word **"supportive"** in paragraph 1 could be best replaced by _____.

A. restrictive

B. encouraging

C. obstructive

D. opposing

Question 25: The word them in paragraph 2 refers to _____.

A. economies

B. consumers

C. government incentives

D. electric vehicles

Question 26: The word **converge** in paragraph 2 is OPPOSITE in meaning to _____.

A. diverge

B. integrate

C. assemble

D. congregate

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

A. Furthermore, advancements in electric vehicle technology and infrastructure lead to consumer demand favoring sustainability and innovation.

LIVEWORKSHEETS

B. Moreover, consumer preferences shift towards sustainability and innovation as a result of the automotive sector experiencing faster progress in EV technology and infrastructure.

C. Additionally, because consumers prioritize sustainability and innovation, the automotive industry is expected to see even faster developments in EV technology and infrastructure.

D. Moreover, the automotive industry is anticipated to undergo more rapid improvements in electric vehicle technology and infrastructure despite the changes in consumer preferences.

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

A. Governments are strongly discouraging electric vehicle adoption.

B. Electric vehicles have no negative impact on pollution levels.

C. People still harbor doubts regarding electric vehicles' convenience.

D. Concerns about the prices of electrical vehicles are escalating.

Question 29: In which paragraph does the writer mention a concession relationship?

A. Paragraph 3

B. Paragraph 1

C. Paragraph 2

D. Paragraph 4

Question 30: In which paragraph does the writer mention a breakthrough in technology making electric vehicle development feasible?

A. Paragraph 1

B. Paragraph 2

LIVEWORKSHEETS

C. Paragraph 3

D. Paragraph 4

Read the following passage about the impact of artificial intelligence (AI) 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.

[I] Artificial Intelligence (AI) has advanced rapidly in recent years, transforming industries and influencing daily life. From virtual assistants to self-driving cars, AI is now integrated into society, aiding decision-making and shaping economies. **[II]** AI is no longer just a futuristic concept but a reality shaping the way people live and work. **[III]** Experts predict that by 2030, AI will play a crucial role in healthcare, education, and business management. While AI offers numerous benefits, its rapid development also **provokes intense scrutiny**, particularly about job displacement, biased decision-making, and ethical issues. **[IV]** Some experts argue that despite its advantages, AI's impact must be carefully managed.

One major concern is AI replacing human jobs. Many repetitive tasks, such as office and factory work, are increasingly automated, causing fears of unemployment. However, AI also creates jobs in fields like cybersecurity, machine learning, and Al system management. Businesses use AI to enhance efficiency, allowing employees to focus on creative and problem-solving tasks. While many continue to invest in automation, **they** must also consider how these changes impact the workforce. To adapt, they need to provide training for employees to take on roles requiring human judgment and decision-making.

LIVEWORKSHEETS

Beyond employment, AI raises issues related to fairness and privacy. Some AI systems make biased decisions, and their ability to collect personal data sparks privacy concerns. Additionally, when AI errors occur, determining accountability is difficult. Without strict regulations, AI could contribute to the **perpetuation** of discrimination or lead to serious mistakes. Governments and ensure AI is used responsibly and fairly. Transparency in AI design is also vital so users understand decision-making processes.

Despite these challenges, AI is advancing various fields. In healthcare, it helps doctors detect diseases early and recommend treatments. In education, AI personalizes learning experiences to enhance effectiveness. Businesses utiliza AI for data analysis and decision-making. Additionally, AI aids environmental protection by predicting disasters and optimizing energy use. Law enforcement uses AI to prevent crime, and transportation systems rely on it to reduce traffic congestion. In agriculture, AI tools assist farmers in monitoring crops and optimizing resources. **These examples highlight how AI can drive positive change when applied responsibly.**

(Adapted from Artificial Intelligence: Impact on Society and Industries, Tech Insights Journal)

Question 31: Where in paragraph 1 does the following sentence best fit?

As AI continues to evolve, its role in shaping industries and societies is becoming more significant.

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

Question 32: The phrase **provokes intense scrutiny** in paragraph 1 could best be replaced by _____.

A. offers immediate solutions

LIVEWORKSHEETS

B. draws little public attention

C. invites detailed examination

D. removes unnecessary doubts

Question 33: The word **they** in paragraph 2 refers to _____.

A. changes B. businesses C. employees D. tasks

Question 34: According to paragraph 2, which of the following is NOT mentioned as an effect of AI on the workforce?

A. Need for employee retraining

B. Job replacement by automation

C. Improvement of employee well-being

D. Al enhancing work efficiency

Question 35: Which of the following best summarises paragraph 3?

A. AI raises ethical challenges that require detailed policies and legal regulations to ensure its responsible use across multiple industries and prevent harmful consequences.

B. While AI presents certain concerns, its overall benefits have helped reduce many problems, making strict regulations less urgent.

C. AI has significant ethical concerns, but companies and governments are already implementing effective regulations to prevent harm.

D. Ethical considerations and government regulations have already ensured that AI is used responsibly in society, preventing major ethical concerns.

Question 36: The word perpetuation in paragraph 3 is OPPOSITE in meaning to _____.

A. termination B. preservation C. continuation D. extension

LIVEWORKSHEETS

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

A. AI increasingly supports human decision-making in various fields, though its influence is mostly restricted to routine and repetitive tasks.

B. AI is primarily utilized in industries like finance and automation, but its role in areas such as healthcare and education remains minimal.

C. AI poses risks to employment and raises ethical concerns, but it has limited influence beyond the technology sector.

D. AI has applications in healthcare, education, and business, improving efficiency, productivity, and decision- making processes across different fields.

Question 38: Which of the following can be inferred from the passage?

A. While AI has shown promise in industries like healthcare and education, its effectiveness is still debated, and its long-term role remains uncertain.

B. AI enhances human capabilities across various fields but still requires human oversight to ensure effective and ethical use.

C. The increasing role of AI in industries suggests that, over time, human decision-making will become significantly less important in many areas of work.

D. AI systems are advancing rapidly and, in some cases, can perform tasks more efficiently than humans, reducing the need for human intervention.

Question 39 [846300]: Which of the following best paraphrases the underlined sentence in paragraph 4?

A. If AI is properly developed and applied, its benefits can be maximized while minimizing potential risks.

LIVEWORKSHEETS

B. AI leads to beneficial outcomes primarily when strict regulations and external control limit its use.

C. Ensuring AI is developed and implemented thoughtfully guarantees that its impact will always be beneficial.

D. AI can only bring benefits when ethical guidelines and responsible policies are strictly followed.

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

A. AI has contributed to automation and efficiency, but concerns over fairness, privacy, and workforce changes remain significant.

B. AI plays a crucial role in sectors like healthcare and education, yet its rapid development requires policies to prevent potential negative consequences.

C. AI is transforming industries by improving efficiency and productivity while presenting challenges that require careful ethical considerations and regulations.

D. AI has improved decision-making and problem-solving in many fields, though it still faces scrutiny regarding ethical concerns and accountability

LIVEWORKSHEETS