

Directions (1-6): In the following question, a passage is provided with a few blanks. Select the most suitable option(s) to complete each blank appropriately.

For decades, scientists have amassed copious satellite data on Earth, yet much remains unexplored due to ____ **(A)** of its analysis. While analytical tools exist, they are ____ **(B)**, necessitating expertise in satellite data manipulation, rendering them inaccessible to most. However, researchers posit that a novel AI paradigm—transformers—may revolutionize data accessibility and ____ **(C)**. These foundation models, underpinning sophisticated AI systems like ChatGPT, possess the capacity to concurrently evaluate myriad interrelations within expansive datasets, ____ **(D)**. Unlike conventional AI, which is confined to singular, predefined tasks, foundation models assimilate knowledge by scrutinizing millions of satellite images, discerning patterns across terrestrial landscapes. Their adaptability allows them to ____ **(E)**, from detecting illicit mining operations to monitoring urban sprawl. Currently, approximately a dozen entities—including academic institutions, governmental bodies like NASA and the U.K.'s Editorial no annotation 05_03_25 Ordnance

Survey, and nonprofits such as Earth Genome—are constructing Earth foundation models. These models predominantly leverage open-source data from U.S. Landsat and European Space Agency satellites. Though their efficacy in tracking rapid phenomena like wildfires necessitates supplementary data, ____ **(F)** long-term environmental transformations.

For decades, scientists have amassed copious satellite data on Earth, yet much remains unexplored due to ____ **(A)** of its analysis.

Q1. Which of the following alternatives correctly fill the blank A?

- (i) the overwhelmingly self-explanatory nature
- (ii) its sheer complexity and the arduous nature
- (iii) the excessively intricate computational demands

- (a) Only i
- (b) Both ii and iii
- (c) only iii
- (d) both i and iii
- (e) None of the above

While analytical tools exist, they are____ **(B)**,
necessitating expertise in satellite data
manipulation, rendering them inaccessible to most.

Q2. Which of the following alternatives correctly fill
the blank B?

(i)predominantly esoteric

(ii) intentionally structured to promote universal
accessibility

(iii)characterized by their excessively technical
intricacy

(a) Only i

(b) Both i and ii

(c) only iii

(d) both i and iii

(e) None of the above

However, researchers posit that a novel AI paradigm—transformers—may revolutionize data accessibility, enabling a broader cohort of users ____ **(C)**. These foundation models, underpinning sophisticated AI systems like ChatGPT, possess the capacity to concurrently evaluate myriad interrelations within expansive datasets, _ **(D)**.

Q3. Which of the following alternatives correctly fill the blank C?

- (i) introduce significant inaccuracies in analysis
- (ii) interpret and harness satellite-derived insights
- (iii) to harness its potential

- (a) Only i
- (b) Both i and ii
- (c) only iii
- (d) both ii and iii
- (e) None of the above

These foundation models, underpinning sophisticated AI systems like ChatGPT, possess the capacity to concurrently evaluate myriad interrelations within expansive datasets, _ **(D)**. Unlike conventional AI, which is confined to singular, predefined tasks, foundation models assimilate knowledge by scrutinizing millions of satellite images, discerning patterns across terrestrial landscapes.

Q4. Which of the following alternatives correctly fill the blank D?

- (i) while consistently failing to identify patterns of scientific significance
- (ii) facilitating intricate and exhaustive analyses
- (iii) in a manner that ultimately disregards fundamental research principles

- (a) Only i
- (b) Both i and ii
- (c) only iii
- (d) both i and iii
- (e) None of the above

<p>Their adaptability allows them to___ (E), from detecting illicit mining operations to monitoring urban sprawl. Currently, approximately a dozen entities—including academic institutions, governmental bodies like NASA and the U.K.'s Editorial no annotation 05_03_25 Ordnance</p> <p>Q5. Which of the following alternatives correctly fill the blank E?</p> <p>(i) conduct multifaceted environmental assessments with unparalleled accuracy</p> <p>(ii) exhibit a complete inability to distinguish between natural and human-made changes</p> <p>(iii) be repurposed for diverse applications</p>	<p>(a) Only i</p> <p>(b) Both i and ii</p> <p>(c) only iii</p> <p>(d) both i and iii</p> <p>(e) None of the above</p>
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Though their efficacy in tracking rapid phenomena like wildfires necessitates supplementary data, __ (F) long-term environmental transformations.

Q6. Which of the following alternatives correctly fill the blank F?

(i)they inadvertently distort the underlying scientific understanding of

(ii) they lack the computational framework necessary to process

(iii)they remain invaluable for chronicling

(a) Only i

(b) Both I and ii

(c) only iii

(d) both i and iii

(e) None of the above

Directions (7-10): In the following questions, three columns are provided: **Column I** and **Column III** contain sentence fragments, while **Column II** presents words to complete the blanks in the sentences. Select the correct combination to form a grammatically sound and contextually meaningful sentence.

Column I	Column II	Column III	Q7.
A.The incendiary rhetoric of the opposition leader, ____ with inflammatory accusations and exaggerated claims,	1.draconian	D.arguing that outdated legal frameworks not only ____ social progress but also perpetuated systemic inequalities.	(a) A2E (b) B1E, C2F (c) A3F, B2D (d) C1E, B2F (e) None of the above
B.The newly elected administration pledged to abrogate antiquated laws that disproportionately affected marginalized communities,	2. stifled	E.by the government to suppress ____ through intimidation, censorship, and legal crackdowns.	
C.The fervor with which the citizens protested against the ____ policies of	3. laden	F. intensified political polarization, led to widespread protests and social unrest.	

Column I	Column II	Column III	Q8.
A.Investors, wary of the __ fluctuations of the global stock market, meticulously analyze financial reports, geopolitical events, and	1.ephemeral	D.with regional partners, so that implementing innovative technological solutions to optimize supply chain efficiency	(a) A3E, B3D (b) B1E, C2F (c) A3F (d) C1E, B2F (e) None of the above
B.The multinational corporation devised an ambitious expansion strategy to __ its global presence, investing heavily in emerging markets,	2.capricious	E.economic indicators in an effort to anticipate market trends and mitigate risks that could result in catastrophic financial losses.	
C.The _____ nature of his leadership created an atmosphere of uncertainty, as employees struggled to adapt to his unpredictable decisions,	3. bolster	F. which often contradicted previously established policies and left the organization in a perpetual state of confusion.	

Column I	Column II	Column III	Q9. (a) A3D, B2E (b) B1E, C2F (c) A3F, B3D (d) C1E, B2F (e) None of the above
A.Despite possessing keen intelligence, his garrulous nature often exhausted those around him, as he monopolized conversations with endless	1.obfuscate	D.that __ far from the original topic, leaving listeners disengaged and mentally fatigued.	
B.Some technology companies deliberately ____ the terms and conditions of their services, embedding complex legal jargon that discourages consumers	2.veracity	E.from fully understanding the implications of data privacy agreements and the extent to which their personal information is exploited for profit-driven purposes.	
C.The __ of scientific research is paramount, as inaccurate findings or manipulated data can not only mislead the academic community but also	3. veered	F. result in erroneous policy decisions with far-reaching consequences for public health, environmental conservation, and technological innovation.	

Column I	Column II	Column III	<p>Q10.</p> <p>(a) A2E, B3D</p> <p>(b) B1E</p> <p>(c) A3F, B3D</p> <p>(d) C1E, B2F</p> <p>(e) None of the above</p>
A.The judge did not hesitate to castigate the negligent corporate executives, delivering a scathing reprimand	1.predestinated	D.and ____ disregard for consumer safety, ultimately imposing severe penalties to deter future misconduct.	
B.The novel explored the dichotomy between free will and determinism, presenting deeply philosophical debates through the internal monologues of its protagonist,	2.blatant	E.who grappled with the illusion of choice in a world seemingly governed by ____ circumstances.	
C.The downfall of the once-revered politician was precipitated by his unchecked _____, as his inflated sense of invincibility led him to engage in reckless actions,	3. hubris	F. to discover that an undiagnosed hormonal ____ had been silently depleting his energy levels for years.	

Directions (11-16): Read the following passage and answer the given questions. Certain words are highlighted to answer some of the questions.

The **alacrity (A)** with which US President Donald Trump has operated in the past month has rendered even his most **vociferous (B)** detractors momentarily stupefied. The paramount takeaway from his strategic maneuvers appears to be the overarching **dictum (C)** of 'no wars,' an **axiom (D)** resonant with Indian Prime Minister Narendra Modi's assertion to the Russian President that "today's era is not an era of war."

Trump's geopolitical doctrine deviates from the orthodox US interventionist paradigm, which historically sought global hegemony through militaristic entanglements, often predicated on nebulous threats. Post-World War II, the US spearheaded the creation of NATO, investing colossal resources to counteract the communist **stymie (E)**. It waged wars in Korea and Vietnam to **juggernaut(F)** the proliferation of the 'red ideology,' leveraging both hard and soft power. Even after the Cold War's denouement, NATO's expansion into Eastern Europe exacerbated tensions with Russia, culminating in a protracted

proxy war over Ukraine. While Romania, Bulgaria, and Poland's NATO accession was palatable to Moscow, Ukraine's inclusion was anathema, given its pivotal geopolitical salience. The Black Sea, a strategic maritime **linchpin (G)**,

houses Russia's Sevastopol naval base, an asset it was unwilling to forfeit. Additionally, Ukraine's agricultural **fecundity (H)**, extensive gas conduits, rare earth minerals, and industrial precision manufacturing rendered it indispensable. Moscow, perceiving NATO's inexorable eastward encroachment as an existential menace, responded assertively. Trump, however, **eschews (I)** this **bellicose (J)** engagement, deeming it an imprudent squandering of American resources. He envisages a **détente (K)** wherein Russia's dominion over the Donbas is tacitly acknowledged, albeit requiring Ukrainian acquiescence. Trump's pivot towards economic nationalism underscores his aspiration to repatriate manufacturing, mitigating dependency on China and ameliorating trade imbalances. While this paradigm shift may engender inflationary pressures, Trump envisages offsetting it through attenuated defense expenditures. His recalibration of US priorities extends to West Asia, where he has championed pragmatic diplomacy over military intervention.

The Abraham Accords exemplify his **proclivity (L)** for economic interconnectivity over perpetual hostilities. However, unresolved flashpoints, including Gaza and Iran's regional influence, persist.

On China, Trump's putative strategy will likely **oscillate (M)** between economic coercion, military deterrence, and regional coalition-building through the Quad. His Cold War-inspired stratagem portends an era of intensified Sino-American competition, albeit tempered by an overarching imperative to avert direct military confrontation.

Q11. According to the passage which of the following pair of words is the synonym of each other?

Column (A)	Column (B)
(i) dictum	(iv) linchpin
(ii) alacrity	(v) eschews
(iii) juggernaut	(vi) axiom

(a) i-iv

(b) i-v

(c) iii-vi

(d) i-vi

(e) None of the above

On China, Trump's putative strategy will likely **oscillate (M)** between economic coercion, military deterrence, and regional coalition-building through the Quad.

Q12. Which of the following word should be the synonym of the highlighted word “oscillate” (M) given in the passage?

- (a) Consolidate
- (b) Aggrandize
- (c) Vacillate
- (d) Capitulate
- (e) None of the above

Post-World War II, the US spearheaded the creation of NATO, investing colossal resources to counteract the communist **stymie (E)**. It waged wars in Korea and Vietnam to **juggernaut(F)** the proliferation of the 'red ideology,' leveraging both hard and soft power. Even after the Cold War's denouement, NATO's expansion into Eastern Europe exacerbated tensions with Russia, culminating in a protracted The Black Sea, a strategic maritime **linchpin (G)**, houses Russia's Sevastopol naval base, an asset it was unwilling to forfeit.

Q13.Rearrange the words (E) (F) (G) as highlighted in the passage in the right sequence.

- (a) GEF
- (b) FEG
- (c) EGF
- (d) GEF
- (e) None of the above

Q14. According to the passage which of the following pair of words is the antonym of each other?

Column (A)	Column (B)
(i) fecundity	(iv) détente
(ii) bellicose	(v) alacrity
(iii) stymie	(vi) vociferous

- (a) i-iv
- (b) ii-v
- (c) iii-vi
- (d) i-vi
- (e) None of the above

Q15. Analyze the following statements in light of the passage and determine their veracity.

(I) Trump's approach to global diplomacy is rooted in the historical interventionist strategy of the United States, which prioritizes direct military engagement as a means to maintain geopolitical dominance.

(II) The passage suggests that Trump's doctrine aligns with economic nationalism, which entails reducing dependence on China and counterbalancing the resulting economic repercussions through a recalibrated defense budget.

(III) The passage posits that NATO's expansion into Eastern Europe was universally opposed by Russia, including the integration of Romania, Bulgaria, and Poland into the alliance, as these nations were considered integral to its security buffer.

(a) Only (I) is true

(b) Both (I) and (III) are true

(c) Both (II) and (III) are true

(d) Only (II) is true

(e) None of the above

Q16. Determine which of the following statements are false according to the passage.

(I) The passage argues that Trump's approach toward Russia is centered on diplomatic engagement rather than seeking military escalation, advocating for a tacit acknowledgment of Russian control over the Donbas region.

(II) The Abraham Accords exemplify Trump's preference for military engagement over economic cooperation in dealing with conflicts in West Asia.

(III) Trump's doctrine, as described in the passage, suggests that his China policy is based on complete economic disengagement rather than a strategy of balancing competition with diplomatic caution.

(a) Only (I)

(b) Only (II)

(c) Both (II) and (III)

(d) Only (III)

(e) None of the above