The Hindu EDITORIAL ANALYSIS

28th April 2025

PREPARE FOR BANK (PO/ CLERK), SSC,UPSC, State PSC, CAT,CTET,RAILWAY EXAMS,CDS, TET, NDA/AIRFORCE, NET and all Govt. Exams

1. Resilience (लचीलापन)

- Meaning: The ability to recover quickly from difficulties or adapt to change.
- change.→ Synonyms: Toughness,flexibility durability
- flexibility, durability

 → Antonyms: Fragility,
- rigidity, vulnerability

 → Example: Environmental resilience is crucial for sustainable development.

2. Robust (मजबूत)

effective in all or most situations. **Synonyms: Sturdy,**

Meaning: Strong and

- vigorous, reliable
- Antonyms: Weak, fragile,
- ineffective
- **Example: The agency** requires a robust framework to address pollution.

3. Bane (अभिशाप)

- Meaning: A cause of great distress or annoyance.
- → Synonyms: Curse, burden, scourge
- → Antonyms: Blessing,
- ⇒ Example: While automation has improved efficiency, it has also become a bane for many traditional traders.

4. Imperative (अनिवार्य)

Meaning: Of vital

- importance; crucial.
- → Synonyms: Crucial, essential, necessary
- → Antonyms: Optional, unnecessary, trivial
- → Example: It is imperative for companies to adopt sustainable practices in order to reduce their carbon footprints.

5. Catastrophic (विनाशकारी)

- Meaning: Involving or causing sudden great damage or suffering.
- → Synonyms: Disastrous,
 ruinous, devastating
- → Antonyms: Beneficial, fortunate, harmless
- → Example: An autonomous Al making unchecked trades could result in
- trades could result in catastrophic market collapses.

6. Wrath (क्रोध)

- Meaning: Extreme anger or fury.
- → Synonyms: Rage, ire, indignation.
- → Antonyms: Calmness,
- contentment, happiness.
 ⇒ Example: The villagers feared the wrath of the king if they did not pay their taxes.

7. Acquity (स्पष्टता)

- → Meaning: Sharpness or keenness, particularly in the context of senses or intellect.
- → Synonyms: Sharpness, clarity, precision.

Antonyms: Dullness,

- bluntness, vagueness.

 → Example: Her mental
- → Example: Her mental acuity allowed her to solve complex puzzles quickly.

8. Eclectic (विभिन्न)

- → Meaning: Deriving ideas, style, or taste from a broad and diverse range of sources.
- → Synonyms: Diverse, varied, comprehensive
- varied, comprehensive→ Antonyms: Narrow,
- Imited, homogeneous
 → Example: The artist's eclectic style was influenced by a wide range of cultural traditions.

9. Adept (निपुण)

- → Meaning: Very skilled or proficient at something.→ Synonyms: Skilled
- → Synonyms: Skilled, proficient, expert

Antonyms: Inept,

- unskilled, novice→ Example: She is adept at solving complex
- solving complex mathematical problems quickly.

10. Acrimonious (तीखा, कटु)

- Meaning: Angry and bitter,
 especially in speech or
 debate.
- → Synonyms: Hostile, bitter, harsh
- → Antonyms: Amicable,
 friendly, mild
 → Example: The debate
- → Example: The debate turned acrimonious as the candidates began attacking each other's past decisions.

One-word substitute:

- 1. A person who abandons a religious or political belief: Apostate
- 2. A person who writes badly or spells incorrectly: Cacographer
- 3. People living at the same time or belonging to the same age: Contemporaries
- 4. A person or thing that is the center of attention or admiration: Cynosure

Phrasal Verbs:

1. Look after

Meaning: To take care of or be responsible for someone or something.

2. Come across

Meaning: To meet or find someone or something by chance.

3. Get rid of

Meaning: To remove or dispose of something unwanted.

4. Get over

Meaning: To recover from something, such as an illness, loss, or difficult situation.

Idioms & Phrases

- 1. Better late than never
- Meaning To do something rather than not doing
- 2. Beat around the bush

Meaning - Not saying directly

3. Hang in there

Meaning - Stay strong in a difficult situation

4. Call it a day

Meaning - To stop doing something

5. Cut corners

Meaning - Purchase something in the least expensive way

Article for Reading

Clean AI: on AI data centres and energy demand

The International Monetary Fund's report that pointed to the likelihood of the economic gains of Artificial Intelligence (AI) applications outweighing the environmental costs of the increased energy demand that AI data centres will require is reassuring. It underscores that this transformational technology is not fundamentally at odds with the global imperative to pursue sustainable growth strategies across the board. Countries that are better prepared with renewable energy generation are bound to see a lower social and environmental cost to pursuing their Al ambitions. India's Al infrastructure — at least the part of it that the government is indirectly funding through the IndiaAl Mission — does not rise to the level of weighing at a macro level on the nation's energy mix. Still, the need for pursuing renewables specifically for Al is necessary to follow. This is already in a sense the government's approach to the issue, outlined at the Al Action Summit in Paris earlier this year.

While Al is not the sole industry where a push for renewable energy and sustainable practices is important, the sector nevertheless offers itself up for two main reasons. The first is the sheer volume of electricity that it is set to consume. The IMF's report indicates that in the United States — the single largest home for AI computing capacity globally — "AI expansion alone could increase electricity prices by up to 9 percent, adding to price pressures coming from many other sources". As such, renewable energy could play a major role in cushioning against a multifold rise in emissions that conventional energy sources would likely entail. The second is that data centres lend themselves uniquely to captive renewable infrastructure. Some Indian firms have already made moves to purchase renewable energy, and the hundreds of acres that data centres occupy are ripe for complementing

equipment with solar cells.

Nuclear energy may also turn out to be a welcome contribution: small modular reactors at emerging data centre clusters, in conjunction with other renewable sources, would avert a sizeable quantity of emissions. Electricity use is not the only environmental footprint that the Al age will leave behind — the technology requires large-scale mining of minerals and water use, and produces effluents in the manufacturing of the electronics supply chain. As electronics manufacturing is another space that India aspires to grow in, these opportunities must be pursued in this area too. India's net zero target for 2070 will demand a scaling down of conventional sources of emissions, and managing the rise of industries that are poised to expand their share of global energy consumption.

Summary

The International Monetary Fund (IMF) report suggests that the economic benefits of Artificial Intelligence (AI) are likely to outweigh the environmental costs caused by the increased energy demand of Al data centers. This highlights that Al development can align with global sustainability goals. Countries with strong renewable energy systems will better manage Al's energy needs with lower environmental impact. In India, the Al infrastructure is still small but must focus on renewables as it grows. Al's high electricity consumption and the suitability of data centers for renewable energy use make green energy crucial. Nuclear energy could also help. Moreover, Al's environmental impact goes beyond electricity use, involving mineral mining, water usage, and electronic waste. As India expands its electronics manufacturing, it must address these challenges to meet its 2070 net-zero emissions goal.

Tone:

The tone of the passage is optimistic yet cautionary.

Reading Comprehension

Based on the above passage, answer the following questions:

Question 1: According to the IMF report, why is the expansion of Al not fundamentally at odds with sustainable growth strategies?

- A. Al applications inherently consume negligible energy
 B. The environmental costs will outweigh the economic benefits
 C. Al's economic gains are expected to surpass its environmental costs
- D. Al infrastructure will be fully powered by conventional energy sources
- E. None of the above

What additional advantage do data centres offer in the push toward renewable energy, as per the passage?

A. They require minimal land use, making solar installations easy
B. They are naturally resistant to fluctuations in power supply
C. They generate their own power through Al-driven microgrids
D. They lend themselves to the setup of captive renewable energy infrastructure

E. None of the above

Question 2:

Question 3: Apart from electricity consumption, what other environmental challenges associated with Al development does the editorial highlight?

- A. Atmospheric pollution from server emissions
- B. Mining of minerals, water use, and industrial effluents
- C. Deforestation for constructing data hubs
- D. Ocean pollution due to discarded data storage units
- E. None of the above

Article for Skimming

Agentic AI and the stock market

Imagine a world where artificial intelligence could predict stock market movements with accuracy. It sounds like a dream come true for investors and traders. But, what if that dream could turn into a nightmare? As artificial intelligence continues to advance at an unprecedented pace in the 21st century, the concept of applying agentic AI to stock market prediction has captured the attention of both researchers and institutions that deal with revenue and finance, but not in a good way. Agentic Al is the Al system that can autonomously accomplish any goals and take any action without being dependent on human supervision. While generative AI starts being put into effect with certain prompts and instructions only when an interaction takes place, agentic Al has the ability to take initiative for an action, learn, solve and adapt according to the changing circumstances without any need for a prompt or interaction. Agentic Al refers to artificial intelligence systems that are capable of autonomous action. These systems, often referred to as AI agents, can pursue goals independently, without direct human intervention.

To do so, they use advanced techniques such as reinforcement learning and evolutionary algorithms. An agentic Al system is designed to make decisions, handle complex situations and, in some cases, adjust its behaviour autonomously. The Al agent operates without human oversight, instead it uses algorithms and environmental data. However, this particular use of Al is a mixed bag, both boon and bane; as exciting as the prospects of agentic Al, there are challenges that come with it. Though the use of agentic AI in this domain is supposed to aid in analysing market-trends, make trading decisions or even to manage your portfolios, this sure does pose significant risks and challenges that outweigh these potential benefits. It is undeniable that artificial intelligence is indeed revolutionising the world; however it most definitely lacks something crucial which is human intuition and it is very important that we do not discard the traditional methods of analysis when it especially comes to securities trading. Agentic Al is the basis and Al agents are some sort of the finished product which takes action.

One of the most pressing concerns is that this can replace human functioning as it is clearly tasked to get through with a human task and behave like a human being in terms of accomplishment of tasks. The main feature of Al agents is their decision-making skills without any kind of dependency and this shall not need human oversight, which can lead to any unfavourable actions in industries where the stakes are high like finance or healthcare. Speaking of finance, any seasoned trader might sense market sentiment shifting based on subtle cues in press conferences. Human analysts can factor in the potential impact of emerging geopolitical tensions, election news, policy changes by the Government or natural disasters. Experienced investors often rely on a "gut feeling" that they have developed over years of market observation. Therefore, by relying too heavily on AI predictions, we risk losing this valuable human perspective and this presents risks where human oversight is crucial but may be ignored by the agent's autonomous decisions. **Question 4:** What is a defining characteristic of agentic AI as described in the passage?

A. It generates content based on specific prompts given by users. B. It takes autonomous actions without requiring human prompts or supervision.

C. It only operates within tightly controlled environments.

D. It enhances human decision-making without replacing it.

E. None of the above

Question 5: Which of the following best captures the author's tone regarding the widespread use of agentic AI in finance?

- A. Enthusiastic and optimistic
- B. Neutral and indifferent
- C. Cautious and concerned
- D. Hastile and dismissive
- D. Hostile and dismissive E. None of the above

Today's Descriptive Question Precis Writing:

Original Text:

Climate change is one of the most pressing challenges facing the world today. Driven by excessive greenhouse gas emissions from human activities such as industrialization, deforestation, and unsustainable consumption patterns, it is causing global temperatures to rise, sea levels to increase, and weather patterns to become more unpredictable. These changes threaten ecosystems, food security, human health, and economic stability across the globe. Sustainability is closely linked to addressing climate change. It involves meeting the needs of the present without compromising the ability of future generations to meet their own needs. This requires a careful balance between economic growth, environmental protection, and social well-being. Sustainable practices like using renewable energy sources, promoting energy efficiency, conserving biodiversity, and reducing waste are essential to mitigate the impacts of climate change.

Governments, businesses, and individuals all have a critical role to play. International agreements like the Paris Agreement aim to limit global warming by encouraging nations to cut emissions and invest in green technologies. In India, initiatives like the National Action Plan on Climate Change (NAPCC) and missions on solar energy and energy efficiency show the country's commitment to sustainable development. However, the transition towards sustainability requires not just policy changes but also a shift in mindset. It calls for innovation in industries, sustainable urban planning, responsible consumer behavior, and collaboration across sectors and borders. In conclusion, tackling climate change and pursuing sustainability are not just environmental concerns but essential for the survival and prosperity of humanity. Collective, urgent action today can secure a healthier and more resilient planet for future generations.

Precis:

Climate change, caused by human activities, threatens ecosystems, health, and economies worldwide. Sustainability, involving balanced development, is crucial to address it. Renewable energy use, waste reduction, and international cooperation like the Paris Agreement are key strategies. Governments, businesses, and individuals must work together urgently to ensure a safe future.

 You've received the documents sent by your colleague. Write an email acknowledging receipt and confirming everything is in order. To:@gmail.com

Subject: Acknowledgement of Receipt and Confirmation

Dear [Colleague's Name],

I hope this message finds you well.

I am writing to acknowledge receipt of the documents you sent across. I have carefully reviewed the materials, and I am pleased to confirm that everything is in order. The documents are clear, complete, and meet all the requirements we had discussed.

Thank you for taking the time to prepare and send them so promptly. It is greatly appreciated and will certainly help us move forward smoothly with the next steps. If any additional information or clarification is needed, I will be sure to get in touch.

Please feel free to reach out if there is anything further yo	ou would
like me to review or assist with.	

Looking forward to continuing our collaboration.

Best regards, [Your Name]

Match the column

- 1. Better late than never A. Stay strong in a difficult situation
- 2. Beat around the bush B. To stop doing something
- 3. Hang in there C. Purchase something in the least expensive way
- 4. Call it a day

 D. To do something rather than not doing
- 5. Cut corners E. Not saying directly

Answer:

1-d 2-e 3-a 4-b 5-c

Vocabulary

- 1. Resilience:
- 2. Robust:
- 3. Bane:
- 4. Imperative:
- 5. Catastrophic:
- 6. Wrath:
- 7. Acquity:
- 8. Eclectic:
- 9. Adept:
- 10. Acrimonious:

Rc ans

1.

Ans: C

Explanation:

The passage states the IMF report "pointed to the likelihood of the economic gains of Artificial Intelligence (AI) applications outweighing the environmental costs".

Incorrect Options:

A. Energy consumption is significant and increasing.

B. Economic gains are expected to outweigh environmental costs, not the other way around.

D. The passage advocates renewable sources, not conventional ones.

4.

Ans: D

Explanation:

The passage mentions: "data centres lend themselves uniquely to captive renewable infrastructure."

Incorrect Options:

- A. They occupy hundreds of acres large land use.
- B. No mention of natural resistance to power fluctuations.
- C. No discussion of Al-driven microgrids.

3. Ans: B

Explanation:

The passage notes: "the technology requires large-scale mining of minerals and water use, and produces effluents in the manufacturing of the electronics supply chain."

Incorrect Options:

A, C, D are not mentioned.

4.

Ans: B

Explanation:

The passage clearly explains that agentic AI can "pursue goals independently, without direct human intervention" and adapt to changing circumstances without needing prompts.

Incorrect Options:

A. Describes generative AI, not agentic AI.

C. No such limitation mentioned.

D. Agentic AI can replace human functioning, not merely enhance it.

5. Ans: C

Explanation:

The author discusses "challenges that outweigh potential benefits" and the loss of human intuition, indicating a cautious and concerned tone.

Incorrect Options:

A. No enthusiasm or excitement.

B. The author is not indifferent.

D. While concerned, the author is not hostile.



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