

PART - I

SECTION 1 – CRITICAL THINKING

Instructions (Q1-Q4): The questions will begin with a proposition which is true. Read the proposition and the arguments carefully. Now decide whether the argument is strong or weak & choose the correct option.

Proposition: A carbon credit is a generic term for any tradable certificate or permit representing the right to emit a set amount of carbon dioxide or the equivalent amount of a different greenhouse gas.

- 1) **Argument:** Carbon credits allow an entity to emit only carbon dioxide into the atmosphere.
A) Strong Argument B) Weak Argument
- 2) **Argument:** Carbon credit is a certificate/permit.
A) Strong Argument B) Weak Argument
- 3) **Argument:** Carbon credits cannot be bought or sold.
A) Strong Argument B) Weak Argument
- 4) **Argument:** Carbon credits are purchased by entities that have exceeded their carbon emission limit.
A) Strong Argument B) Weak Argument

Instructions (Q5-Q12): The questions will begin with a paragraph which is true. Read the paragraph and the assumptions carefully. Now decide whether the inferences are true or false.

Paragraph: Weather refers to atmospheric conditions that occur locally over short periods of time from minutes to hours or days. Familiar examples include rain, snow, clouds, winds, floods, or thunderstorms. Climate, on the other hand, refers to the long-term (usually at least 30 years) regional or even global average of temperature, humidity, and rainfall patterns over seasons, years, or decades. Global warming is the long-term heating of Earth’s surface observed since the pre-industrial period (between 1850 and 1900) due to human activities, primarily fossil fuel burning, which increases heat-trapping greenhouse gas levels in Earth’s atmosphere. Climate change is a long-term change in the average weather patterns that have come to define Earth’s local, regional and global climates. These changes have a broad range of observed effects that are synonymous with the term.

- 5) **Inference:** Weather and climate can be interchangeably used.
A) True B) False
- 6) **Inference:** Global warming is different from climate change.
A) True B) False
- 7) **Inference:** Climate change refers to heating of the Earth over a long period of time
A) True B) False
- 8) **Inference:** Erratic and unpredictable monsoons are an effect of climate change.
A) True B) False
- 9) **Inference:** Weather can change on a daily basis.
A) True B) False
- 10) **Inference:** Using petrol/diesel cars contributes to global warming.
A) True B) False
- 11) **Inference:** Climate change is a narrow term that only deals with increase in temperature.
A) True B) False
- 12) **Inference:** Colder winters and hotter summers are an example of global warming.
A) True B) False

Instructions (Q13-Q20): The questions will begin with a paragraph which is true. Read the paragraph and the conclusions carefully. Now decide whether the conclusions follow or don't follow.

Paragraph: Renewable and nonrenewable resources are energy sources that human society uses to function on a daily basis. The difference between these two types of resources is that renewable resources can naturally replenish themselves while nonrenewable resources cannot. This means that nonrenewable resources are limited in supply and cannot be used sustainably. Unfortunately, human society is for the time being—dependent on nonrenewable resources as its primary source of energy. Approximately 4/5th of the total amount of energy used globally each year comes from fossil fuels.

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| 13) | Conclusion: Petrol/diesel are renewable sources of energy. | |
| | A) Conclusion Follows | B) Conclusion Does Not Follow |
| 14) | Conclusion: 80% of total energy consumption comes from fossil fuels. | |
| | A) Conclusion Follows | B) Conclusion Does Not Follow |
| 15) | Conclusion: Nuclear energy is non-renewable in nature. | |
| | A) Conclusion Follows | B) Conclusion Does Not Follow |
| 16) | Conclusion: Human society can sustain even if all the non-renewable resources get depleted in the next few years. | |
| | A) Conclusion Follows | B) Conclusion Does Not Follow |
| 17) | Conclusion: Solar energy is an example of a renewable form of energy. | |
| | A) Conclusion Follows | B) Conclusion Does Not Follow |
| 18) | Conclusion: Wind energy is an example of a non-renewable form of energy. | |
| | A) Conclusion Follows | B) Conclusion Does Not Follow |
| 19) | Conclusion: Renewable resources can be used sustainably. | |
| | A) Conclusion Follows | B) Conclusion Does Not Follow |
| 20) | Conclusion: Human beings cannot function on a daily basis without an energy source. | |
| | A) Conclusion Follows | B) Conclusion Does Not Follow |

SECTION 02 – CREATIVE THINKING

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| 21) | Divide 110 into two so that one will be 150 percent of the other. What are the numbers? | |
| | A) 66 and 44 | C) 33 and 77 |
| | B) 55 and 55 | D) 22 and 88 |
| 22) | I occur once in every minute, twice in every moment, and never in a thousand years? | |
| | A) The Letter E | C) The Letter T |
| | B) The Letter N | D) The Letter M |
| 23) | Which of these is heavier - a kilo of feathers or a kilo of iron? | |
| | A) Iron | C) Feathers |
| | B) Both have the same mass | D) None of the above. |
| 24) | The price of a goose is Rs. 8, a spider costs Rs. 32 and a butterfly was priced Rs. 24. By taking into account this information, what will be the price of a cat? | |
| | A) 16 | C) 32 |
| | B) 8 | D) 24 |
| 25) | A says “When my dad was 31 years old, I was just 8 years. Now his age is twice as old as my age.” What is A’s present age? | |
| | A) 22 | C) 26 |
| | B) 23 | D) 27 |

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| 26) | If $1+9+8=1$, then what is $2+8+9$? | |
| | A) 10 | C) 12 |
| | B) 15 | D) 8 |
| 27) | Two workers can make two bricks in two minutes. If this is the maximum speed possible, what is the total number of workers needed to get 300 bricks in 300 minutes? | |
| | A) 300 | C) 2 |
| | B) 150 | D) 1 |
| 28) | A toy and its case cost Rs. 1100 in total. The price of the toy is Rs.1000 more than its case. What is the price of the toy? | |
| | A) 1000 | C) 1100 |
| | B) 1050 | D) 900 |
| 29) | A group of students were standing in the blazing sun facing due west on a march past event. The leader shouted at them: Right turn! About turn! Left turn! At the end of these commands, in which direction is the students facing now? | |
| | A) North | C) West |
| | B) East | D) South |
| 30) | If a person was born on January 1st, 23 B.C.E and passed away on January 2nd, 23 A.C.E What would be his age when he died? | |
| | A) 46 | C) 45 |
| | B) 23 | D) 43 |
| 31) | Name a place that starts with P end with E and has hundreds of letters in it. | |
| | A) Police | C) Patisserie |
| | B) Post Office | D) None of the above |
| 32) | What is it that almost everyone catches but no one throws? | |
| | A) Air | C) Sunlight |
| | B) Cold | D) None of the above |
| 33) | Which part of your body is also a tree? | |
| | A) Knee | C) Palm |
| | B) Elbow | D) Neck |
| 34) | What is it that never cries when you peel its skin but makes you cry instead? | |
| | A) Tomato | C) Ginger |
| | B) Onion | D) None of the Above |
| 35) | Which number is odd but becomes even if a letter is taken away? | |
| | A) 3 | C) 9 |
| | B) 5 | D) 7 |
| 36) | If a peacock is sitting on tree facing East, in which direction would the egg roll? | |
| | A) West | C) North |
| | B) South | D) None of the Above |
| 37) | What is black when you buy it, red when you use it, and white when you are done with it? | |
| | A) Charcoal | C) Petrol |
| | B) Wood | D) Oil |
| 38) | A girl has as many brothers as sisters, but each brother has only half as many brothers as sisters. How many children are there in the family?? | |
| | A) 4 sons & 3 daughters | C) 2 sons & 3 daughters |
| | B) 3 sons & 4 daughters | D) 3 sons & 2 daughters |

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| 39) | What 4-letter word is the same when written forward, backward or upside down, and can still be read from left to right? | |
| | A) RACE | C) MIME |
| | B) MOON | D) NOON |
| 40) | If the blue house is made with blue bricks and the red house with red bricks, what is a greenhouse made of?? | |
| | A) Green Bricks | C) Glass |
| | B) Red Bricks | D) Blue Bricks |

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