VERBAL ABILITY AND READING COMPREHENSION

Q.1.to Q.5. Read the following passage and choose the correct option to answer the following questions.

The debate surrounding AI presents a significant dilemma: have we stumbled upon a gateway to unprecedented convenience and luxury, or have we unwittingly charted a course toward a dystopian future that threatens to dismantle society as we know it? This tension is partly driven by another, more subtle contradiction. We are often captivated by the immediate results of AI (the "what") while remaining skeptical or disappointed when we delve deeper into understanding AI's underlying processes (the "how"). This issue is particularly evident in the realm of generative AI. On one hand, we are impressed by the sophisticated outputs of large language models like ChatGPT, but on the other hand, we are concerned about the biases and inaccuracies they sometimes produce. Similarly, while AI-generated art can be visually striking, it often lacks the profound meaning and originality of traditional artwork, raising concerns about intellectual property and creative theft.

The problem is exacerbated in the domain of generative AI, where direct interaction with the technology brings these issues to the forefront. Human communication is inherently rich with multiple layers of meaning. For instance, a simple invitation such as 'Shall we have a coffee?' encompasses a variety of implicit messages about timing, the intent to engage in a relaxed conversation, assumptions about preferences, and the location of nearby cafes. In contrast, AI-generated responses often simulate human-like interaction but lack the depth and contextual understanding inherent in human exchanges. This discrepancy between the human-like presentation and the mechanical nature of AI underpins much of the current debate about its role and impact.

This fascination with superficial imitation is not a new phenomenon. From the inception of AI, the field has been deeply rooted in the concept of imitation. To understand why modern culture has embraced a technology so focused on imitation, we must look back to the early days of AI. Alan Turing, widely considered the father of AI, laid the groundwork for the field with his pioneering ideas. Although AI has evolved significantly since Turing's time, his legacy continues to influence contemporary discussions. Central to this is the Turing test, a concept Turing introduced to assess whether a machine's output can convincingly mimic human responses.

The Turing test, originally referred to as the 'imitation game,' is designed to determine if a machine can simulate human conversation well enough to fool a human interlocutor. Despite its historical significance, the Turing test has become so ingrained in AI discourse that questioning its relevance to measuring true intelligence may seem controversial. Turing himself suggested that the imitation game was not a definitive measure of a machine's ability to think or be intelligent, but rather a rephrasing of the question "Can machines think?"

The AI community's adoption of the imitation game as a benchmark for intelligence has, perhaps unintentionally, elevated its status to near dogmatic reverence. This has led to a reluctance among researchers to critically assess the test's role and limitations. As of 2023, discussions about AI safety have continued at places like Bletchley Park, where Turing once worked, highlighting the ongoing influence of his ideas. This context serves as a reminder that Turing himself did not view the imitation game as a measure of true intelligence, encouraging a more nuanced engagement with his work.

In parallel, while Turing was exploring these concepts in the UK, interest in artificial intelligence was burgeoning across the Atlantic. John McCarthy, a mathematics professor at Dartmouth College, secured funding for a workshop in the summer of 1956 that would later be recognized

as the founding event of AI. The workshop's funding proposal, which introduced the term 'artificial intelligence,' reflected a different focus than what might be expected. While one might assume that developing intelligent machines would involve cognitive sciences, philosophy, and neuroscience, McCarthy's workshop was structured quite differently, signaling a shift in the approach to AI research.

Q.1. According to the passage, what is the primary issue with AI-generated outputs?
a) They are always accurate and unbiased.
b) They often lack deeper meaning and can be biased.
c) They are too complex for users to understand.
d) They always exceed human creativity.

Q.2. Which of the following sentences uses the correct past perfect tense?
a) AI has evolved significantly since Turing's time, but his ideas were retained.
b) AI had evolved significantly since Turing's time, but his ideas have been retained.
c) AI evolved significantly since Turing's time, but his ideas were retained.
d) AI has evolved significantly since Turing's time, but his ideas have retained.

Q.3. Select the correctly punctuated sentence:
a) The AI community's adoption of imitation game as a benchmark for intelligence has elevated its status.
b) AI community's adoption of the imitation game as benchmark for intelligence has elevated its status.
c) The AI community's adoption of the imitation game as a benchmark for intelligence has elevated its status.
d) AI community's adoption of imitation game as the benchmark for intelligence has elevated its status.

Q.4. Which sentence correctly follows subject-verb agreement rules?
a) The Turing test, as well as its applications, have influenced contemporary AI discussions.
b) The Turing test, as well as its applications, has influenced contemporary AI discussions.
c) The Turing test, together with its applications, have influenced contemporary AI discussions.
d) The Turing test, along with its applications, has influenced contemporary AI discussions.

Q.5. Identify the sentence with the correct placement of the modifier:
a) Only later was the 'imitation game' called the 'Turing test' by the AI community.
b) The AI community only later called the 'imitation game' the 'Turing test.'
c) The AI community called the 'imitation game' the 'Turing test' only later.
d) The AI community called only later the 'imitation game' the 'Turing test.'

Q.6.to Q.10. Read the following passage and choose the correct option to answer the following questions.

Several years ago, I found myself in a BBC boardroom, undergoing a promotion interview with a panel of senior editors. After years of being stuck in a junior role, I was eager for the opportunity. During the interview, when one editor asked me a question about teamwork, I began to answer, but something odd happened: a repetitive song started playing in my mind. The tune, "The Wheels on the Bus," which I had sung to my children, became a persistent, distracting force. I found

myself chanting the song in my head and felt compelled to blink excessively and grind my teeth in rhythm with the tune.

Despite my attempts to conceal the disturbance, I was vaguely aware that my focus was severely compromised, making it difficult to articulate my story about a late guest and an impatient presenter. The song continued to play, and I noticed the head of department watching me closely, realizing that I was visibly distracted.

Over time, my obsessive-compulsive disorder (OCD) has manifested in various distressing habits, such as scraping my tongue against my teeth, performing complex eye movements, and peeling my lips until they bleed. These behaviors intensify when the stakes are high, such as during prestigious tasks or when trying to please others. OCD also affects me when I attempt to enjoy the present moment or have fun. Its insidious nature often evades conscious control, seeming to operate independently despite being part of me.

In addition to OCD, I struggle with procrastination, which causes me to lose focus while writing and leads to constant email-checking instead of spending quality time with my children. I also contend with addiction—not a severe form, but a common one. I am addicted to screens (despite not owning a smartphone) and use alcohol to unwind in the evenings (though within safe limits). My addiction extends to productivity, where I am driven to complete tasks, stay busy, and fill every moment, even as I yearn for time to reflect.

Procrastination, distraction, addiction, and OCD all contribute to self-sabotage. It's a peculiar aspect of human nature to undermine ourselves, even when we need all the support we can get. Self-sabotage manifests in various ways: from freezing under pressure to wasting time on trivial tasks, criticizing loved ones or ourselves excessively, and disrupting our plans.

Plato's metaphor in the *Phaedrus* illustrates the divided human psyche with a charioteer guiding two horses—one light and noble, the other dark and unruly. This division between our higher moral aspirations and irrational tendencies has been explored by thinkers like Friedrich Nietzsche and R.D. Laing. In modern times, neuroscience has provided insights into why we sabotage our better selves. Professor Tobias Hauser at University College London, for instance, is studying the brain activity of individuals with OCD to understand how neurotransmitter imbalances affect intrusive thoughts and self-regulation.

Q.6. What did Plato's metaphor of the charioteer represent?
a) The conflict between personal ambitions and societal expectations
b) The struggle between high moral intentions and irrational tendencies
c) The challenge of balancing work and leisure
d) The difficulty of achieving academic success

Q.7. Which philosopher's metaphor is used to describe the divided human psyche?
a) Socrates
b) Aristotle
c) Plato
d) Descartes

Q.8. Identify the correct use of the verb tense in the sentence: "Over the years, my obsessive-compulsive disorder (OCD) has manifested in a panoply of painful and punitive habits."
a) Past perfect tense
b) Simple past tense
c) Present perfect tense

d) Simple present tense

Q.9. Which of the following sentences correctly uses a relative pronoun?
a) The problem, which was evident, was not solved by the team.
b) The problem which was evident was not solved by the team.
c) The problem that was evident was not solved by the team.
d) The problem, that was evident, was not solved by the team.

Q.10. Which sentence uses the correct comparative form?
a) My OCD is more insidious and shape-shifting, evading conscious awareness than other conditions.
b) My OCD is insidious and shape-shifting more than other conditions, evading conscious awareness.
c) My OCD is more insidious and shape-shifting, evading conscious awareness than other conditions.
d) My OCD is insidious and more shape-shifting than other conditions, evading conscious awareness.

Q.11. Choose the word that is most similar in meaning to "Candid":
a) Secretive
b) Honest
c) Deceptive
d) Reserved

Q.12. Choose the word that is most similar in meaning to "Ambiguous":
a) Clear
b) Uncertain
c) Evident
d) Predictable

Q.13. Choose the word that is most similar in meaning to "Meticulous":
a) Careless
b) Thorough
c) Reckless
d) Imprecise

Q.14. Choose the word that is most similar in meaning to "Inevitable":
a) Optional
b) Unavoidable
c) Avoidable
d) Unlikely

Q.15. Choose the word that is most similar in meaning to "Exemplary":
a) Mediocre
b) Inferior
c) Commendable
d) Reprehensible

Q.16. Find the word that best completes the analogy: Fire : Burn :: Water : _____
a) Flow
b) Wet
c) Quench
d) Drown

Q.17. Find the word that best completes the analogy: Tree : Forest :: Star : _____
a) Planet
b) Galaxy
c) Sky
d) Universe

Q.18. Find the word that best completes the analogy: Doctor : Medicine :: Teacher : _____
a) Knowledge
b) School
c) Students
d) Education

Q.19. The company is _____ to launch its new product next month.
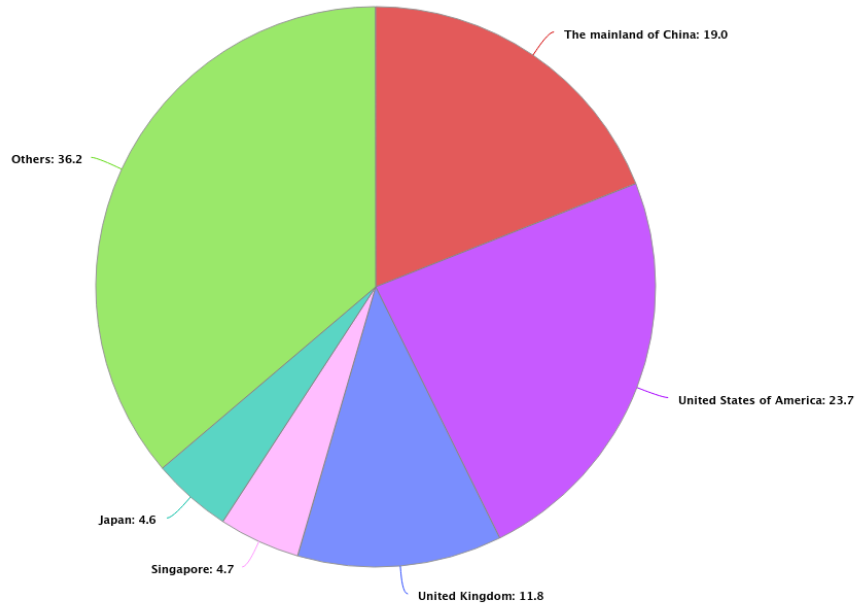**a) Planning**
b) Planned
c) Plan
d) Plans

Q.20. The students were _____ by the complexity of the problem.
a) Confuse
b) Confusing
c) Confused
d) Confusion

DATA INTERPRETATION AND LOGICAL REASONING

Q.1. to Q.5. Look at the plot carefully and answer the questions.

Percentage share of exports of services by major trading partners, 2022

Q.1. Which country has the highest percentage share of exports of services in 2022?
a) The mainland of China
b) United States of America
c) Others
d) United Kingdom

Q.2. If the exports to the United Kingdom increased by 5% in 2023, what would be its new percentage share of total exports of services?
a) 12.3%
b) 12.8%
c) 13.3%
d) 13.8%

Q.3. Which two countries together account for approximately half of the total exports of services?
a) The mainland of China and the United States of America
b) The United States of America and the United Kingdom
c) The mainland of China and Others
d) Others and the United Kingdom

Q.4. If the total exports of services in 2022 were $100 billion, what was the approximate value of exports to the United States of America?
a) $10 billion
b) $15 billion
c) $20 billion
d) $25 billion

Q.5. Which country has the lowest percentage share of exports of services in 2022?
a) Japan
b) Singapore
c) United Kingdom
d) Others

Q.6. Clock : Time :: Thermometer : ?
a) Heat
b) Temperature
c) Cold
d) Weather

Q.7. Rain : Cloud :: Light : ?
a) Sun
b) Moon
c) Fire
d) Shadow

Q.8. Heart : Circulation :: Lungs : ?
a) Respiration
b) Digestion
c) Filtration
d) Circulation

Q.9. Choose the odd one out:
a) Circle
b) Square
c) Triangle
d) Cube

Q.10. Which one does not belong in the group?
a) Guitar
b) Violin
c) Piano
d) Flute

Q.11. All roses are flowers. Some flowers fade quickly. Therefore:
a) Some roses fade quickly.
b) All roses fade quickly.
c) Some roses do not fade quickly.
d) No roses fade quickly.

Q.12. A is the father of B. C is the mother of D, and D is the sibling of B. What is C's relationship to A?
a) Mother
b) Father

c) Sister
d) Wife

Q.13. A man walks 10 meters south, then turns east and walks 5 meters, then turns north and walks 10 meters. How far is he from his starting point approximately?
a) 5 meters
b) 10 meters
c) 15 meters
d) 0 meters

Q.14. In a certain code, "PLANT" is written as "QMBOS". How would "GROW" be written in that code?
a) HSPX
b) HQPX
c) HPQX
d) HSPY

Q.15. In a class of 30 students, 10 students play football, 15 students play basketball, and 5 students play both sports. How many students play only one of the two sports?
a) 10
b) 15
c) 20
d) 25

Q.16. If 5 cats can catch 5 mice in 5 minutes, how many mice can 50 cats catch in 50 minutes?
a) 500 mice
b) 250 mice
c) 50 mice
d) 100 mice

Q.17. A box contains 10 red balls, 8 blue balls, and 6 green balls. If a ball is picked at random, what is the probability that it is either blue or green?
a) 0.7
b) 0.6
c) 0.5
d) 0.8

Q.18. Which number should replace the question mark in the sequence: 2, 6, 12, 20, ?
a) 30
b) 36
c) 42
d) 50

Q.19. A person is facing north. He turns 45 degrees to his right, then 90 degrees to his left. In which direction is he facing now?
a) North-East
b) North-West

c) South-East
d) South-West

Q.20. In a family of 6 members P, Q, R, S, T, and U, Q is the mother of R, who is the brother of T. P is the father of S. T is the sister of U. How is U related to Q?
a) Daughter
b) Son
c) Grandson
d) Granddaughter

QUANTITATIVE APTITUDE

Q.1. A contractor undertakes to complete a work in 60 days. He employs 30 men for the job but after 20 days, he realizes that only one-third of the work is done. How many more men must he employ to finish the work on time?
a) 15
b) 20
c) 30
d) 25

Q.2. A sum of money is divided among A, B, and C in the ratio 2:3:5. If C's share is $1,200 more than A's share, what is the total amount?
a) $6,000
b) $4,800
c) $3,600
d) $4,000

Q.3. The HCF of two numbers is 23 and their LCM is 2247. If one of the numbers is 161, then the other number is:
a) 323
b) 213
c) 333
d) 233

Q.4. The diagonal of a rectangle is 10 cm and its breadth is 6 cm. Find its length.
a) 6 cm
b) 8 cm
c) 10 cm
d) 12 cm

Q.5. A train 150 m long passes a pole in 10 seconds. How long will it take to pass a platform 250 m long?
a) 16 seconds
b) 18 seconds
c) 27 seconds
d) 25 seconds

Q.6. What is the measure of each interior angle of a regular hexagon?
a) 60°
b) 90°
c) 120°
d) 150°

Q.7. The angle between two tangents drawn from an external point to a circle is 60°. What is the angle subtended by the chord joining the points of contact at the center of the circle?
a) 30°
b) 60°

c) 90°
d) 120°

Q.8. If the cost price of an article is Rs. 500 and it is sold at a profit of 20%, what is the selling price?
a) Rs. 400
b) Rs. 500
c) Rs. 600
d) Rs. 700

Q.9. If x% of 120 is 30, what is the value of x?
a) 15
b) 20
c) 25
d) 30

Q.10. How many different ways can 5 people be arranged in a row?
a) 120
b) 24
c) 10
d) 5

Q.11. The area of a rhombus is 24 cm^2 and one of its diagonals is 8 cm. What is the length of the other diagonal?
a) 3 cm
b) 6 cm
c) 12 cm
d) 16 cm

Q.12. If a clock shows 3:45 PM, what time will it be 2 hours and 30 minutes later?
a) 6:15 PM
b) 6:30 PM
c) 6:45 PM
d) 7:00 PM

Q.13. Which of the following numbers is the largest?
a) 0.75
b) 3/4
c) 75%
d) All of the above

Q.14. If a:b = 3:4 and b:c = 2:5, then what is the value of a:b:c?
a) 3:4:5
b) 6:8:10
c) 9:12:15
d) 12:16:20

Q.15. A man is 24 years older than his son. In two years, his age will be twice the age of his son. What is the present age of the son?
a) 20 years
b) 22 years
c) 24 years
d) 26 years

Q.16. The population of a city increased by 20% in one year and decreased by 10% in the next year. What is the net percentage change in the population?
a) 10% increase
b) 10% decrease
c) 8% increase
d) 8% decrease

Q.17. The difference between the local time of two cities is 2 hours. If the local time in City A is 10:00 AM, what is the local time in City B which is east of City A?
a) 8:00 AM
b) 12:00 PM
c) 2:00 PM
d) 10:00 AM

Q.18. A rectangular park is 100 meters long and 80 meters wide. What is its area in hectares?
a) 0.8 hectares
b) 1.8 hectares
c) 2.8 hectares
d) 3.8 hectares

Q.19. The price of a commodity increased by 20%. If the original price was Rs. 500, what is the increased price?
a) Rs. 400
b) Rs. 500
c) Rs. 600
d) Rs. 700

Q.20. The volume of a cube is 27 cm^3. What is its surface area?
a) 54 cm^2
b) 81 cm^2
c) 108 cm^2
d) 162 cm^2

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