

XAT 2025 Memory Based Question paper PDF(JAN 05, 2025)

Quant

1. There are 25 rooms in a hotel. Each room can accommodate at the most three people. For each room, the single occupancy charge is Rs. 2000 per day, the double occupancy charge is Rs. 3000 per day, and the triple occupancy charge is Rs. 3500 per day. If there are 55 people staying in the hotel today, what is the maximum possible revenue from room occupancy charges today?
A Rs. 72500
B Rs. 82500
C Rs. 77500
D Rs. 92500
E Rs. 87500
2. The market value of beams, made of a rare metal, has a unique property: the market value of any such beam is proportional to the square of its length. Due to an accident, one such beam got broken into two pieces having lengths in the ratio 4:9. Considering each broken piece as a separate beam, how much gain or loss, with respect to the market value of the original beam before the accident, is incurred?
A 74.23% gain
B 42.60% loss
C 31.77% loss
D 57.40% loss
E No gain or loss
3. ABCD is a rectangle, where the coordinates of C and D are $(-2,0)$ and $(2,0)$, respectively. If the area of the rectangle is 24, which of the following is a possible equation representing the line $\overleftrightarrow{AB}$?
A $4x + 6y = 24$
B None of the other options is correct.
C $y = 6$
D $x = 6$
E $x + y = 12$
4. Adu and Amu have bought two pieces of land on the Moon from an e-store. Both the pieces of land have the same perimeters, but Adu's piece of land is in the shape of a square, while Amu's piece of land is in the shape of a circle. The ratio of the areas of Adu's piece of land to Amu's piece of land is:

- A $1 : 1$
B $\pi : 4$
C $1 : \pi$
D $\pi^2 : 4$
E $\pi : 2$
5. Ramesh bought a mobile from a local store. He paid $1/6$ of the price via UPI and $1/3$ of the price via cash. He agreed to pay the balance amount a year later. While paying back the balance amount, Ramesh paid 10% interest on the balance amount. If the interest paid was Rs. 6000, what was the original price of the mobile?
- A Rs. 120000
B Rs. 110000
C Rs. 100000
D Rs. 90000
E Rs. 150000
6. A straight line L_1 has the equation $y = k(x - 1)$, where k is some real number. The straight line L_1 intersects another straight line L_2 at the point $(5, 8)$. If L_2 has a slope of 1, which of the following is definitely FALSE?
- A The distance between the y-intercepts of the two lines is 6
B The distance from the origin to one of the lines is $3/\sqrt{2}$
C The line L_1 passes through the point $(1, 0)$
D The distance between the x-intercepts of the two lines is 4
E The distance from the origin to one of the lines is $2/\sqrt{5}$
7. In a computer game, each move requires pressing a button. When the button is pressed for the first time, as a move, the computer randomly chooses a cell from a 4×4 grid of sixteen cells and puts an "X" mark on that cell. When the button is pressed subsequently, the computer randomly chooses a cell from the remaining unmarked cells and puts an "X" mark on that cell. This goes on till the end of the game. The game ends when either all the cells in any one row, or all the cells in any one column, are marked with "X". What is the maximum possible number of times a player has to press the button to finish the game?
- A 16
B 10
C 6
D 13
E 4
8. If a , b , and c are all positive integers, with $4a \nmid b$, then which of the following conditions is BOTH NECESSARY AND SUFFICIENT for the expression $\sqrt[3]{(3)^a(21)^{(3a-b)}(49)^{(2b+c)}}$ to be a positive integer?
- A $a - b + 2c$ is divisible by 3
B None of the other conditions is both necessary and sufficient

- C a, b, and c are divisible by 3
D $a - b = c$
E $(a - b)$ and c are divisible by 3
9. A solid trophy, consisting of two parts, has been designed in the following manner: the bottom part is a frustum of a cone with the bottom radius 30 cm, the top radius 20 cm, and height 40 cm, while the top part is a hemisphere with radius 20 cm. Moreover, the flat surface of the hemisphere is the same as the top surface of the frustum. If the entire trophy is to be gold-plated at the cost of Rs. 40 per square cm, what would the cost for gold-plating be closest to?
- A Rs. 1,12,000
B Rs. 3,60,000
C Rs. 4,73,000
D Rs. 5,23,000
E Rs. 3,72,000
10. An industrial robot manufacturing company is tasked to design humanoid robots to be used in warehouses where the robots need to pick items from a stack of shelves. The height of the topmost shelf from the ground is 7 feet. To operate, the robot has to move on a track, running parallel to the stack of shelves. The track is fixed 1 foot away from the base of the stack of shelves. Further, the robot cannot raise its arms by more than 60° from the horizontal plane. If the robot's arms are attached to its shoulder, what should be the minimum height of the robot from the ground to the shoulder for its arms to reach the topmost shelf?
- A $\sqrt{3}$ feet
B 7 feet
C $7 - \sqrt{3}$ feet
D None of the other options is correct
E $6 + \sqrt{3}$ feet
11. There are five dustbins along a circular path at different places. Ramesh takes multiple rounds of the path every morning, always at the same speed. He noticed that it took him a different number of steps to walk between any two consecutive dustbins. Ramesh also noticed that starting from any of the dustbins, it took a minimum 800 steps to reach every second dustbin. On the other hand, starting from any of the dustbins, it took a maximum 1260 steps to reach every third dustbin. If Ramesh's one step is 0.77 metre, and the width of the path is negligible, which the following can be the radius of the circular path?
- A 230 metres
B 240 metres
C 260 metres
D 250 metres
E 220 metres
12. For how many distinct real values of x does the equation below hold true? (Consider $a > 0, a \neq 1$)

$$\frac{x^2 \log_a(16)}{\log_a(32)} - \frac{\log_a(64)}{\log_a(32)} - x = 0$$

- A 1
- B Infinitely many
- C 2
- D 0
- E Depends on the value of a

13. A farmer has a quadrilateral parcel of land with a perimeter of 700 feet. Two opposite angles of that parcel of land are right angles, while the remaining two are not. The farmer wants to do organic farming on that parcel of land. The cost of organic farming is Rs. 400 per square foot. Consider the following two additional pieces of information:

- I. The length of one of the sides of that parcel of land is 110 feet.
- II. The distance between the two corner points where the non-perpendicular sides of that parcel of land intersect is 255 feet.

To determine the amount of money the farmer needs to spend to do organic farming on the entire parcel of land, which of the above additional pieces of information is/are MINIMALLY SUFFICIENT?

- A II only
- B I only
- C I and II together only
- D Either of I or II, by itself
- E The amount cannot be determined even with the additional pieces of information.

14. Consider the quadratic function $f(x) = ax^2 + bx + a$ having two irrational roots, with a and b being two positive integers, such that $a, b \leq 9$. If all such permissible pairs (a, b) are equally likely, what is the probability that $a + b$ is greater than 9?

- A $7/16$
- B $5/8$
- C None of the other answers is correct.
- D $7/15$
- E $2/3$

15. Eight employees of an organization have been rated on a scale of 1 to 50 for their performance. All ratings are integers. The overall average rating of the eight employees is 30. While the five employees with the highest ratings average 38, the five employees with the lowest ratings average 25. Which of the following, about the ratings obtained by the eight employees, is DEFINITELY FALSE?

- A The second highest rating obtained is 38.
- B The median of the eight ratings is 37.5.
- C The lowest rating obtained is 1.
- D The highest rating obtained is 40.
- E The third lowest rating obtained is 37.

16. Arun selected an integer x between 2 and 40, both inclusive. He noticed that the greatest common divisor of the selected integer x and any other integer between 2 and 40, both inclusive, is 1. How many different choices for such an x are possible?
- A 4
 - B 8
 - C 1
 - D 12
 - E 0

Instructions [17 - 19] Read the following scenario and answer the THREE questions that follow. **Comprehension:** In an 8-week course, a professor administered a test at the end of each week. Each of the eight tests was scored out of 4 marks, and a student could only receive a non-negative integer score. Two students, Ravi and Sumana, took the eight tests. In the first test, Ravi and Sumana scored the same marks. From the second to eighth tests, Ravi scored the exact same non-zero marks. Sumana scored the same marks as Ravi from the fifth test onwards. Ravi's total marks in the first three tests was the same as Sumana's total marks in the first two tests. Also, Sumana's marks in the first test, total marks of the first two tests, and total marks of the eight tests are in a geometric progression.

17. Which of the following CAN be true?
- A Ravi scored 4 marks in the third test
 - B Sumana scored 2 marks in the first test
 - C Ravi scored 0 marks in the fifth test
 - D Sumana scored 3 marks in the second test
 - E Sumana scored 4 marks in the eighth test
18. If Ravi scored 4 marks in the first test, how many marks did Sumana score in the third test?
- A 3
 - B 0
 - C 1
 - D 4
 - E 2
19. If Ravi scored 1 mark in the second test, what is the maximum possible value of Sumana's total marks in all the eight tests together?
- A 10
 - B 12
 - C 9
 - D Cannot be uniquely determined from the given information
 - E 8

Instructions [20 - 22] Read the following scenario and answer the THREE questions that follow. **Comprehension:** The plots below depict and compare the average monthly incomes (in Rs. '000) of males and females in ten cities of India in the years 2005 and 2015. [Note: The data from the visual plots is required to solve the following]. The ten cities, marked A-J in the records, are of different population sizes. For a fair comparison, to adjust for inflation, incomes for both the periods are scaled to 2025 prices. Each red dot represents the average monthly income of females, while each blue dot represents the average monthly income of males. The gender gap is the absolute difference between the two.

20. In which city did the gender gap, in terms of 2025 prices, change the least, from 2005 to 2015, in terms of percentage?
- A J
B I
C D
D E
E C
21. Which of the following statements, about the average monthly incomes of the 10 cities, as represented in the plots, is DEFINITELY FALSE?
- A In terms of 2025 prices, the average gender gap of the 10 cities combined in 2015 was less compared to the average gender gap of the 10 cities combined in 2005.
B In terms of 2025 prices, the median monthly income of men of the 10 cities combined were higher than the median monthly income of women of the 10 cities combined, both in 2005 and 2015.
C In terms of 2025 prices, the average monthly income of men of the 10 cities combined was less than Rs. 30,000 in 2005.
D In terms of 2025 prices, in more than half of the 10 cities, average monthly incomes of men were more in 2005, compared to 2015.
E In terms of 2025 prices, the average monthly income of women of the 10 cities combined was less than Rs. 22,000 in 2015.
22. Rs. 100 in 2025 is worth Rs. 60 in 2015 prices, and Rs. 25 in 2005 prices. Based on the given plots, which of the following statements, about the unscaled incomes, i.e., the incomes before scaling to 2025 prices, CANNOT be correct?
- A Average unscaled income for both genders increased in all 10 cities from 2005 to 2015
B Average unscaled income of women was about Rs. 15,000 in 2015 in City H
C Average unscaled income of men in City E increased by about 140% from 2005 to 2015
D Average unscaled income of women in City G increased by about 120% from 2005 to 2015
E The unscaled gender gaps reduced in all 10 cities from 2005 to 2015

Instructions [23 - 25] Read the following scenario and answer the THREE questions that follow. **Comprehension:** The diagram represents a road network connecting five towns: Meereen, Lannisport, Winterfell, Oldtown, and Gulltown. Max speed limits: Meereen to Oldtown (100 km/hr), Oldtown to Gulltown (25 km/hr), Gulltown to Winterfell (120

km/hr). It takes 1 hour to reach Oldtown from Meereen, 2 hours to reach Gulltown from Oldtown, and 45 minutes to reach Winterfell from Gulltown. Meereen, Lannisport, Winterfell are on a West-East straight line. Lannisport-Oldtown and Winterfell-Gulltown roads are South-North and perpendicular to the West-East line.

23. Tyrion Lannister drove from Meereen to Oldtown, then from Oldtown to Lannisport, and finally from Lannisport to Winterfell. He always drove at a speed 10 km/hr below the maximum speed limits. What was his total driving time closest to?
- A 3 hrs 19 mins
B 4 hrs 20 mins
C 7 hrs 28 mins
D 6 hrs 42 mins
E 7 hrs 50 mins
24. Missandei starts from Gulltown towards Oldtown by the shortest path, driving at the maximum permissible speed. From Oldtown, she drives at a speed of 10 km/hr towards Lannisport. When Missandei starts from Gulltown, Varys starts at the same time from Lannisport to Oldtown along the shortest path at maximum permissible speed. At what point will they meet?
- A Approximately 13.33 km south of Oldtown.
B Approximately 54.33 km north of Lannisport.
C Approximately 57.33 km north of Lannisport.
D Approximately 6.67 km south of Oldtown.
E Cannot be uniquely determined from the given information.
25. The capital city, King's Landing, located 40 km to the south of Gulltown on the road connecting Gulltown to Winterfell, did not have a straight road, connecting to Meereen. Now, a new expressway is being built to connect these two towns by a straight road. What should be the maximum speed limit allowed on this expressway so that it cuts down the travel time, from Meereen to King's Landing, from the fastest possible route through the road network shown in the diagram, by 20 minutes?
- A 100 km/hr
B 130 km/hr
C 139 km/hr
D 120 km/hr
E 157 km/hr

Instructions [26 - 28] Read the following scenario and answer the THREE questions that follow. **Comprehension:** GadRev reviewed four gadgets (A, B, C, D) using reviewers (R1, R2, R3, R4) on a scale of 1 to 5. Some ratings were deleted. Given:

- R1: B=4, D=3. Avg=4.
- R2: A=3, C=4. Avg=4.
- R3: D=5. Avg=4.
- R4: B=4, C=5. Avg=4.25.

- Gadget Avgs: A=4, B=4, C=4, D=4.25.
26. What rating provided by Reviewer R1 to Gadget A can help determining the remaining ratings uniquely?
- A 1
 - B 4
 - C 2
 - D 5
 - E 3
27. In how many different ways could Reviewer R2 have rated Gadget B so that the ratings lead to the same averages?
- A 1
 - B 5
 - C 2
 - D 4
 - E 3
28. How many different valid combinations of the missing ratings are possible?
- A 4
 - B 1
 - C 5
 - D 2
 - E 3

Decision Making

29. **Scenario (Aarya):** Aarya is a mediocre student working at a reputable IT firm. She considers an MBA to fast-track her career but worries about balancing prep with work. Shruti (her friend) cautions against career breaks. The CEO offers an online certificate program with a 3-year bond. Which consideration will BEST help Aarya decide whether to apply for the online program?
- A Aarya keeps getting appreciated for her performance by the HR department.
 - B Shruti attempted the MBA entrance exams twice, before she could get selected.
 - C Aarya feels that the online program is light enough to manage while working full time.
 - D Aarya wants to be part of a very good alumni network.
 - E Those who complete this online management certificate program do well in their career.
30. Aarya receives offers from a 2-year Agribusiness program at a premier school and a new 1-year Executive MBA at a mid-tier school. She has little interest in agribusiness. Which consideration would BEST help Aarya in taking admission in the one-year executive MBA program?
- A The executive MBA program offers generous scholarships to women with IT experience.

- B Aarya does not have the confidence to spend another year in MBA entrance-exam preparation.
- C The agribusiness program is not the flagship program of the premier business school.
- D Aarya has a better chance of furthering her career in a field of her interest through the executive MBA program.
- E The unique structure of the executive MBA program has gained a lot of attention from the new start-ups.
31. Due to a technical glitch, the mid-tier school over-offered seats. Aarya is offered a deferred admission or a full refund. She considers this a breach of trust. Which consideration will BEST restore her faith in this business school?
- A A deferment by a year will give her a chance to build on her work experience.
- B The business school runs many management training programs on ethical leadership for corporates.
- C A similar incident happened three years back in another business school, and all deferred candidates eventually got good placements.
- D Many mid-tier business schools give offers to more candidates than available seats to tackle rejections.
- E The business school owned the mistake, and tried their best to help the affected candidates.
32. **Scenario (Law Firm Socialization):** Lisa Simpleton joined a law firm that uses an overwhelming "prank" ritual for newcomers. She thinks it's outdated. While on probation for two years, she wants to stop the ritual for 2024 newcomers without being singled out. Which option will BEST enable Lisa to save the newcomers from the ritual?
- A Seek a meeting with Ned Flanders, suggesting him to put an end to this practice.
- B Meet one of the newcomers in secret and tell her about this practice.
- C Organize a generic workshop for newcomers regarding workplace politics.
- D Join a team of lawyers, petitioning to the founders to end this practice.
- E Be silent this year until her performance review is over and she is confirmed.
33. Newcomers receive an anonymous email warning about the ritual. Founders are furious. Murmurs mention Lisa. She didn't write it. Which action by Lisa can BEST enable her to defuse the situation?
- A She should apologize to the founders, taking accountability for creating a climate that resulted in someone sending the email.
- B She should simply focus on her work, and hope that the founders would ignore the rumours.
- C She should send a public email clarifying that while she has reservations, she is not the author.
- D She should meet the founders and share that while she has reservations, she did not send the email.
- E She should publicly apologize for having questioned the tradition.

34. Ned wants to abandon the ritual; Homer thinks it's critical to simulate professional reality. Which action should the founders BEST take if they want to be empathetic but maintain the professional exposure?
- A They should, in their website, share details about how tough the workload is going to be.
 - B They should get a mental health professional to design their socialization ritual.
 - C They should stick to what they are doing but hire a professional newcomers can refer to.
 - D They should invite suggestions from their young lawyers regarding formulating a new socialization ritual.
 - E They should talk to their competitors and check what kind of practices they follow.
35. **Scenario (The Pluralist):** Ramya (Editor) is deciding whether to publish an exposé by Aditya Swaroop on a powerful mining company using anonymous sources. Legal warns it's vulnerable. Topic is time-sensitive. Which reason will BEST enable Ramya to publish?
- A Ramya should publish because her legal team is mostly over cautious.
 - B Ramya should publish given the time-sensitive nature of the report.
 - C Ramya should publish because any investigation by Aditya has enhanced the reputation till date.
 - D Ramya should publish because a similar article was published on another company last week.
 - E Ramya should publish because the news can get published by a competitor.
36. Mining company pushes back. Aditya's sources (fired employees) admit they weren't honest. What is the MOST responsible action Zubin (Owner) should take?
- A Retract the entire article, and publish Ramya's apology in the newspaper.
 - B Retract the entire article, and publish that Aditya Swaroop will no longer be with the newspaper.
 - C Publish a follow-up article disclosing the identity of the sources used for the article.
 - D Publish an article accusing the mining company of bullying witnesses to change their versions.
 - E Publish a modified version defending investigative journalism.
37. Aditya's reputation is hit. He wants to find new reliable sources on the same project. Zubin is confident it won't yield results. Which action by Zubin will BEST enable Aditya to enhance his diminishing reputation?
- A Assign Aditya to work as an anonymous journalist for the next few months.
 - B Ask Aditya to start his own YouTube channel.
 - C Tell Aditya he plans to delegate the project to a fresh team working in consultation with Aditya.
 - D Ask Aditya to focus on mentoring young journalists for some time.
 - E Assign a new investigative project to Aditya, advising him to focus on the new project.

38. **Scenario (Humane Dynamix):** Dheeraj (TAO) needs young trainers to get more opportunities as requested by the CEO, without affecting client relationships. Which option should Dheeraj execute?
- A Dheeraj should explore for those clients who would be comfortable working with the young trainers.
 - B Request repeat clients to switch to the services of the young trainers.
 - C Mandate that senior trainers must allow young trainers to take at least thirty percent of sessions.
 - D Assign some repeat projects from satisfied clients to the young trainers.
 - E Request the CEO to urge senior colleagues to give up some existing clients.
39. Dheeraj assigned clients at random to young trainers. Sudha (Senior) is upset her clients were reassigned without consultation. Which action would BEST help Sudha to stop Dheeraj from assigning her programs away?
- A Approach the CEO and request that Dheeraj be removed from his role as TAO.
 - B Contact client companies and ask them to reject Dheeraj's assigned trainers.
 - C Confront the CEO and share that his concerns should not be addressed at the cost of her revenues.
 - D Propose training the young trainers in her innovative methods so they become independent.
 - E Share with Dheeraj that assigning her clients to novice trainers will lead to loss of those clients.
40. A repeat client is unhappy with a young trainer (Kirti) assigned by Dheeraj. Dheeraj ignores this. What BEST can Nandini (Senior) do to regain the client without appearing anti-growth?
- A Tell the client to demand her exclusively as the trainer for upcoming programs.
 - B Propose to Dheeraj that in future assignments, Kirti be a co-trainer with Nandini.
 - C Request the client communicate their concerns to the CEO directly.
 - D Share feedback with Kirti and ask her to opt out of future assignments with that client.
 - E Arrange a meeting with Dheeraj, informing him his actions may lose the client.
41. **Scenario (TrueColor):** Sukanta joined to increase ticket sales from 50k to 100k. He thinks external agency Zedius should be replaced. Best reason NOT to start major changes in first year?
- A Zedius has managed TrueColor's marketing for the last five years.
 - B The owners of Zedius are respected citizens of Tivanna.
 - C Sukanta needs more time to learn about the dynamics of the eastern market.
 - D TrueColor recruited Sukanta specifically to increase ticket sales by whatever means necessary.
 - E For around a decade, ticket sales have consistently hovered at 50,000.
42. Adil (CEO) receives accusations that Zedius sells "black market" tickets. Security has no mechanism to check. Best option to ignore accusations and maintain status quo?

- A In Tivanna, the competing media agencies keep defaming each other.
- B Zedius promises a particular threshold of ticket sales as decided by TrueColor.
- C Zedius is the largest media agency in Tivanna.
- D Some attendees admitted to paying cash to gate keepers to get in.
- E Tivanna being a small city, a few prominent personalities have to be allowed in without tickets.
43. Sukanta build an in-house team, but sales dropped to 40k. Turmoil follows. What is Adil's BEST course of action?
- A He should make Sukanta and his team to go back to Zedius immediately.
- B He should wait and watch as the investment in Sukanta may need more time to bear result.
- C He should engage a different media agency working for a competitor.
- D He should dismiss Sukanta's team and let the earlier media agency take over.
- E He should threaten Sukanta with firing if sales don't improve next year.
44. **Scenario (KindCare Hospital):** KindCare needs renovations. Options: A) Half outpatient cap, B) Shut cafeteria, C) Remote admin, D) Strip pharmacy, E) Shut lab. LEAST affect functioning?
- A ACD
- B BCD
- C ABC
- D BCE
- E ABE
45. Storage unit needs a 7-day renovation. Building is old; delays likely. BEST action to ensure KindCare operates efficiently?
- A Renovate part by part while halving emergency capacity.
- B Shut down hospital except emergency ward.
- C Shut down cafeteria and relocate storage unit there.
- D Rent a space an hour away for seven days.
- E Start building a new storage facility.
46. Renovation starts but will now take 15+ days. Outpatients being turned away. MOST sustainable solution?
- A Resume operations from rented spaces scattered around the region.
- B Start reduced operations gradually and hire experts to expedite.
- C Arrange with a larger hospital to take over critical patients.
- D Bring in a reputed renovation team at triple the cost for a 3-day finish.
- E Stop renovation immediately and resume normal operations.
47. **Scenario (Sundaram Stores):** Sundaram store pays high rent in a gated community and offers 15% discount. Sales are stagnated. MOST sustainable way to increase profit?

- A Meet with residents' association to negotiate a lower rent.
 - B Advertise through leaflets in the gated community.
 - C Remove all discounts and sell at Maximum Retail Price.
 - D Offer to procure items unavailable at his shop from the town on demand.
 - E Introduce "cheap Wednesdays" with 40% discount.
48. Sundaram started selling vegetables. Old vendor left. Association is unhappy about lost rent and lost free veggies for staff. BEST address concerns?
- A Request bids from other shop owners for the vacant space.
 - B Ask Sundaram to use the erstwhile space for veggies and pay rent for it.
 - C Impose a fine on Sundaram since he wasn't contracted to sell veggies.
 - D Discount the rent for the old vendor to increase competition.
 - E Ask Sundaram to give specific quantity of veggies to staff for free.
49. App-based startup "Rush'em" expands to the suburbs. Sundaram losing business. What should Sundaram BEST do?
- A Not bother since the nearest town is 30 km away.
 - B Explore starting his own delivery startup "Finish'em".
 - C Employ helpers to do home delivery within 10 minutes.
 - D Demand rent reduction to one-third.
 - E Start giving discounts on every product.

Verbal Ability & Logical Reasoning

50. Which option contains only grammatically CORRECT sentences? A. The dean asked for additional funding. B. The boss discussed about the new project with his team. C. Radhika is good in data interpretation. D. Neil is transitioning into a new phase of life. E. Rajat emphasized on the need for consistency in XAT preparation. F. This car is superior to the previous one in terms of efficiency.
- A B, C & D
 - B B, C & F
 - C C, E & F
 - D A, B & C
 - E A, D & F
51. Which option contains only grammatically CORRECT sentences? A. There are less cars on the road today. B. She is nicer than her sister. C. I have been here from Monday. D. I know how to swim. E. She is the girl that won the case competition. F. The media are divided on the issue.
- A D, E & F
 - B A, D & F
 - C B, C & E

D B, D & F

E A, D & E

52. Choose the one that meaningfully fills up the blanks: When each ----- generation grows up, it looks down on the next as if we all forget what it feels like to be ----- . When most ----- think about their own youthful indiscretions, they do so with a wink and a laugh. But when the same people think about those in today's generation doing something similar, they ----- sound the alarm about a decline in morality in next generation.

A young, young, seniors, carefully

B old, older, youngsters, sincerely

C succeeding, next, people, naturally

D preceding, succeeding, folks, cautiously

E successive, young, adults, hypocritically

53. MOST logically ordered sequence? A. Whatever that might be on Europa—far from the Sun, and beneath kilometers of ice—it will not be sunlight. B. The final ingredient for a habitable world is a source of energy for life to exploit. C. On Earth almost every living thing ultimately depends on photosynthesis for its energy... D. Their inhabitants do not benefit from sunlight directly, but their metabolisms are powered by chemicals... E. That is a bit of a problem.

A D, E, C, B, A

B C, E, B, A, D

C A, B, E, D, C

D B, A, E, C, D

E E, D, B, C, A

54. Passage: "No man knows how bad he is till he has tried very hard to be good. A silly idea is current that good people do not know what temptation means... only those who try to resist temptation know how strong it is." BEST concluded?

A To claim to know anything we must apply it in a situation and then judge ourselves.

B How we label ourselves depends entirely on how much we have fought for that label.

C Unless we are put to test for our beliefs, we do not know what our true beliefs are.

D Most of the population does not know what being bad or being good actually is.

E To claim to be good people, we should know what temptation means.

55. Logical ordered sequence? A. The treaty tests of a budget deficit... 3% of the GDP... impossible for Italy to pass by 1999. B. That Belgium also had a public debt above 100 percent of GDP helped... C. One of the earliest was entry into the European single currency... D. Romano Prodi... decided that Italy... must be there too. E. Germany had... designed the 1992 Maastricht treaty... to keep out a profligate Italy.

A A, B, C, D, E

B C, E, A, D, B

C E, A, B, C, D

D E, D, B, A, C

E C, B, D, E, A

56. Passage: "Art exists so that the unsayable can be said without having to actually say it... How nice it is when people just shut ... up." BEST inferred?

- A Art unfolds the mystery of human tongues.
- B Any piece of art defies expression.
- C Art echoes the language that is unintelligible.
- D Explaining an art metamorphoses into another piece of art.
- E Art expresses what humans cannot communicate in words.

57. Passage: "Employees complaining about mundane tasks are often ignored... A bored employee may continue to produce good results, but that can also be because the tasks are repetitive..." BEST inferred?

- A Mundane tasks create listlessness around good performers.
- B Boredom is a serious problem that needs immediate attention.
- C Listlessness settles around good performers who are bored.
- D A bored employee must be a bad performer for notice.
- E Good performance makes organizations overlook their employees' state of mind.

58. Cartoon: [Man looking at dog saying "I love how he finds joy in the simple things." Dog thinking "The emotional burden of alleviating his depression is crushing me."] BEST explains message?

- A Our understanding of others, based on our beliefs, may not be true.
- B Our sense of duty for others can overwhelm our sense of self.
- C Love is about caring for others even if it wears you out.
- D Our interpretation of others' reality is mostly arbitrary.
- E Our sense of identity is based on how others interpret us.

Instructions [59 - 61] Passage: "You may laugh at a hat... several have defined man as 'an animal which laughs'... Here I would point out the ABSENCE OF FEELING which usually accompanies laughter... the comic demands something like a momentary anesthesia of the heart."

59. BEST mean by "comic could not produce... unless it fell... on the surface of a soul that is thoroughly calm"?

- A Comics are the most effective when the audience is unaware of the context.
- B Unless one is emotionally detached from the event, it is impossible to appreciate a comical view.
- C Relaxed people tend to find edgy or disturbing comedy funnier.
- D To appreciate humour with an unsettling tone, people benefit from being in a calm state.
- E Comical behaviour disturbs those more deeply whose minds are calm and composed.

60. CANNOT be inferred?

- A Comic happens in a setting of emotional detachment.
- B Inanimate objects can become a subject of laughter because they may project human characteristics.
- C When strong emotions are involved, laughter cannot be evoked.
- D When you laugh at a hat, you laugh at a human being it represents.
- E Humour only springs from experiences that demand momentary anesthesia.

61. Author BEST agree with?

- A Life is a tragedy when seen in close up but a comedy in long-shot.
- B Comedy is simply a funny way of being serious.
- C Comedy is but tragedy, cunningly disguised and popularized for the multitude.
- D A person who knows how to laugh at himself will never cease to be amused.
- E Comedy is an escape, not from truth but from despair.

Instructions [62 - 64] Passage on West Africa Experiment: "Character skills training had a dramatic impact... Character is your capacity to prioritize your values over your instincts."

62. View author BEST agrees with?

- A Putting our values and principles to practice requires transcending our personality.
- B Our values and principles are always put to test by our personality.
- C Our behavior is a function of our character not our personality.
- D Character skills risk abandoning your personality along with your instincts.
- E Because principles clash with your personality, character is needed.

63. BEST inferred?

- A Cognitive skills unlike character skills are always reactive.
- B Being aware of your character skills enable you to exercise them.
- C Sustainable success in life requires strong character skills.
- D Character skills can compensate for poor cognitive skills.
- E Character skills can be built only if one believes in them.

64. Why help entrepreneurs more?

- A Character skills are industry agnostic in application.
- B One can be poor in finance but really good in character skills.
- C Character skills prepare you for an uncertain future.
- D Entrepreneurs are already aware of their business and only missing character skills.
- E Character skills enable you to generate opportunities rather than capitalize on existing ones.

Instructions [65 - 67] Passage: "This fluidity and situational dependence is uniquely human... Most modern human societies rely instead on cultural kin selection... identities are just as arbitrary and subject to the vagaries of history."

65. Rodents and humans similar?
- A Both carry a genetically determined pheromonal signature.
 - B Both can reign their instincts.
 - C Both make their groups exclusive of brothers and cousins.
 - D Both divide the world between “us” and “them.”
 - E Both are hostile towards outsiders.
66. Meaning of “fluidity and situational dependence”?
- A Humans’ kin selection is not based on instinctual familial bonds.
 - B Humans use cognitive architecture to detect social coalitions.
 - C Humans are uniquely progressive and ever evolving.
 - D The implicit traits that humans associate with can change over time.
 - E Humans’ in-group/out-group thinking is influenced by their space and time.
67. Referring to Battle of Stalingrad and Pearl Harbour?
- A Our identities and emotional attachments are subject to erratic interpretation of history.
 - B Humans’ relationship with any specific place depends upon their lineage.
 - C Humans do not follow any specific logic when they develop association.
 - D Humans’ interpretation of specific events depends on their emotional association.
 - E Humans are capable of selective violence towards each other.

Instructions [68 - 70] Passage on “Greedy Work”: “Work, for many on the career track, is greedy... gender equality generally goes with it, except among same-sex unions.”

68. CANNOT be inferred?
- A Flexibility in work may result in relatively lesser income.
 - B The root of all problems in the world is greed.
 - C Women can be equally greedy as men.
 - D Many of those toiling hard on the career track are greedy.
 - E Jobs that extract the most out of the workforce also pay more.
69. CORRECT as per passage?
- A Organizations prefer only those who surrender everything.
 - B With more women in the workforce, work itself is becoming greedier.
 - C Work that requires more time investment tend to pay more.
 - D Greedy work is a result of greedy corporations.
 - E Employees willing to sacrifice time must be rewarded with higher pay.
70. BEST summarizes views?
- A In heterosexual unions, women pay a price to see husbands rise to fame.
 - B Greedy work reinforces extant gender norms, leading to gender pay gap.

- C Greedy work is the single most important reason for the gender pay gap.
- D Greedy work results in a men's club.
- E As women fight gender norms, greedy work is their most formidable enemy.

Instructions [71 - 72] Poem: "You walk into this room with your hot ideas and the ceiling fan has to work harder... it dreams of becoming a spider lily."

71. Theme of the poem?

- A Inner conflict resolved by attempt to restore balance.
- B Fear and anxiety due to the loss of stability.
- C Subtle art of counter-argumentation.
- D Conflict between transformation and escapism.
- E Quest for self during emotional turmoil.

72. Meaning of "hot ideas... fan has to work harder"?

- A Person's presence makes fan lose ability to handle energy.
- B Person brings passionate intellectual and emotional energy.
- C Presence develops self-doubt in others.
- D Hostile presence makes others feel unwelcomed.
- E Presence creates palpable tension in the room.

Instructions [73 - 75] Passage: "No one argues that the rich should be rich because they were born to wealthy parents... meritocracy is a myth, a distant promise yet to be redeemed."

73. CANNOT be drawn?

- A Wealth and privilege cannot undermine meritocracy.
- B Equality of opportunity is widely accepted in principle.
- C Meritocracy is a popular ideal in political rhetoric.
- D Hereditary privilege is not openly defended but perpetuated.
- E Meritocracy is seen as an unfulfilled promise.

74. BEST concluded?

- A Meritocracy is a utopian system difficult to implement.
- B In an unequal society, any attempt to execute meritocracy perpetuates inequality.
- C Meritocracy is desired by everybody, but despised by those rejected by it.
- D Meritocracy is accepted by everyone, but not understood by anyone.
- E Everyone admires meritocracy, until it is their children's career on the line.

75. Problem identified by defenders of affirmative action?

- A Meritocratic system does not acknowledge the initial disadvantages.
- B Meritocratic system supports those having hereditary privileges.
- C Meritocratic system rewards individuals based on the outcome.
- D Meritocratic system intentionally favours the rich.
- E Meritocratic system is based on structural bias.

General Knowledge

76. Award given to outstanding coaches in India?
- A Arjuna Award
 - B Dronacharya Award
 - C Dhyan Chand Award
 - D Vashistha Award
 - E Rajiv Gandhi Khel Ratna Award
77. Match: 1. Ratan Tata, 2. Manmohan Singh, 3. Zakir Hussain, 4. Shyam Benegal — A. Dadasaheb Phalke, B. Grammy, C. Carnegie Medal, D. World Statesman.
- A 1-C, 2-D, 3-B, 4-A
 - B 1-C, 2-A, 3-D, 4-B
 - C 1-A, 2-C, 3-B, 4-D
 - D 1-D, 2-B, 3-A, 4-C
 - E 1-A, 2-C, 3-D, 4-B
78. Reducing product size while maintaining price?
- A Reduflation
 - B Skimpflation
 - C Shrinkflation
 - D Inflation
 - E Deflation
79. Samantha Harvey won 2024 Booker Prize for:
- A Orbital
 - B Creation Lake
 - C James
 - D Held
 - E The Safekeep
80. Dhimsa folk dance state?
- A Maharashtra
 - B Jharkhand
 - C Chhattisgarh
 - D Himachal Pradesh
 - E Andhra Pradesh
81. World's first female elected prime minister?
- A Golda Meir
 - B Margaret Thatcher

- C Indira Gandhi
D Benazir Bhutto
E Sirimavo Bandaranaike
82. Defeated by Gukesh Dommmaraju in 2024 finals?
- A Ding Liren
B Hiraku Nakamura
C Deep Blue
D Ian Nepomniachtchi
E Fabiano Caruana
83. Match Author/Books: 1. Andy Weir, 2. Cixin Liu, 3. Stephen Hawking, 4. HG Wells, 5. Frank Herbert — A. Dune, B. Time Machine, C. Brief History, D. Martian, E. Three Body Problem.
- A 1-E, 2-A, 3-B, 4-C, 5-D
B 1-D, 2-E, 3-C, 4-B, 5-A
C 1-C, 2-D, 3-E, 4-A, 5-B
84. AI-based app for study materials in regional languages?
- A Bhasha Sangam
B Diksha
C Prabandh
D Anuvadini
E Bhasini
85. World's only floating national park location?
- A Tripura
B Jharkhand
C Manipur
D Assam
E Chhatisgarh
86. Winning India's first medal at Asian Table Tennis Championships?
- A Manika Batra & Sathiyam Gnanasekaran
B Sreeja Akula & Mouma Das
C Neha Aggarwai & Ankita Das
D Madhurka Patkar & Archana Kamath
E Ayhika Mukherjee & Sutirtha Mukherjee
87. Qualifies for free e-visa under "Chalo India"?
- A Indian tourists
B Non-Resident Indian

- C Non-Indian friends of Indian diaspora
 - D Foreign diplomats
 - E International students
88. Mount Marapi Volcano location?
- A Mexico
 - B China
 - C Panama
 - D Indonesia
 - E USA
89. Supreme Commander-in-chief of India's armed forces?
- A The Prime Minister
 - B The Chief of Defence Staff
 - C The Defense Minister
 - D The President
 - E The Home Minister
90. Nobel Economics 2024 winners for institutions and prosperity?
- A Daron Acemoglu, Simon Johnson & James A. Robinson
 - B Claudia Goldin
 - C Ben Bernanke, Douglas Diamond & Phillip Dybvig
 - D Paul R Milgrom & Robert B Wilson
 - E David Card, Joshua D Angrist & Guido W. Imbens
91. Not a NATO member as of Dec 31 2024?
- A Poland
 - B Ukraine
 - C Lithuania
 - D Italy
 - E Turkey
92. Nobel Peace Prize 2024 winner?
- A Narges Mohammadi
 - B Ales Bialiatski and the Center for Civil Liberties
 - C World Food Programme
 - D Motaz Azaiza
 - E Nihon Hidankyo
93. Match Airline/Country: 1. AirAsia, 2. AZAL, 3. Jeju Air, 4. Indigo, 5. Tigerair — A. Singapore, B. South Korea, C. Azerbaijan, D. India, E. Malaysia.

- A 1-D, 2-C, 3-E, 4-A, 5-B
- B 1-B, 2-E, 3-D, 4-A, 5-C
- C 1-A, 2-D, 3-C, 4-E, 5-B
- D 1-E, 2-C, 3-B, 4-D, 5-A
- E 1-C, 2-A, 3-E, 4-B, 5-D

94. Company acquired MGM Studios?

- A Jio
- B Amazon
- C Netflix
- D Disney
- E Apple

95. Shipyard built INS Tushil (Dec 9, 2024)?

- A Honkong United Dockyards
- B Guangzhou Shipyard International
- C Yantar Shipyard, Russia
- D Naval Group Shipyard
- E Navantia Shipyard

