

SSC CPO Paper-I 2023 Memory Based Question

Quantitative Aptitude

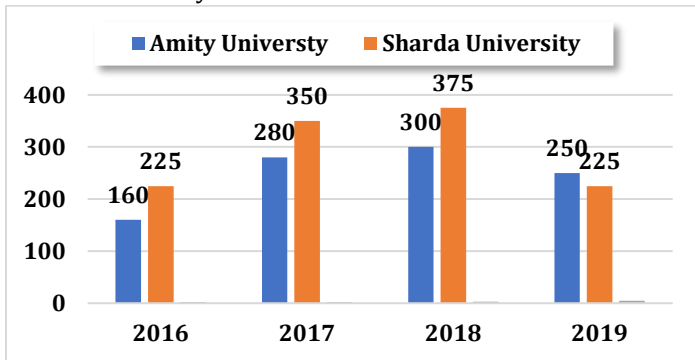
Q1. The given table shows the profit earned by the 4 company during the month of January, February, March and April.

Company Name / Months	January (Cr.)	February (Cr.)	March (Cr.)	April (Cr.)
Tata Pvt. Ltd.	350	630	290	420
Nestle Pvt. Ltd.	600	385	500	750
Jio Mart	100	110	100	124
Airtel Bharti	180	195	140	150

By what percent the profit of Tata Pvt. Ltd. More or less than the profit of Jio Mart and Airtel Bharti together during the four months?

- (a) 54%
- (b) 49%
- (c) 52%
- (d) 39%

Q2. The bar graph shows the number of students enrolled for a commerce course in the Universities of Amity university and Sharda University



What is the ratio of total number of students enrolled in the Sharda University in 2018 and 2019 to that of students enrolled in the Amity University in 2016 and 2017?

- (a) 14:13
- (b) 15: 13
- (c) 15 : 9
- (d) 15 : 11

Q3. The value of $5\frac{1}{6} + \left[3\frac{1}{6} + \left\{17 \times \left(4\frac{4}{5} \div 2\frac{2}{50}\right)\right\}\right]$ is equal to:

- (a) 48.33
- (b) 30
- (c) 45.50
- (d) 54

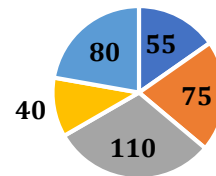
Q4. A set of Samsung phone is sold for Rs 1764 after giving two equal successive discounts on the marked price of Rs 3136. What was the percentage discount offered?

- (a) 26%
- (b) 30.25%
- (c) 15.75%
- (d) 25%

Q5. Study the given pie chart and answer the question that follows.

The pie chart shows the distribution (degree-wise) of number Audi cars sold by a shopkeeper during the five years.

The total number of Audi cars sold = 96120



■ 2018 ■ 2019 ■ 2020 ■ 2021 ■ 2022

How many Audi cars are sold during the year of 2020?

- (a) 28,500
- (b) 24,565
- (c) 22,299
- (d) 29,370

Q6. $2\tan \theta = 4\sin \theta$, $0^\circ < \theta < 90^\circ$, then find the value of $2\sin^2 2\theta + 3\cos^2 3\theta$?

- (a) 5
- (b) 6
- (c) 3.5
- (d) 4.5

Q7. The area of a circular park is 7546 m^2 . There is 3.5m wide path around the park. What is the area (in m^2) of the path?

- (a) 1212.5 m^2
- (b) 1123 m^2
- (c) 1116.5 m^2
- (d) 1233.5 m^2

Q8. In ΔABC right angle at B, $\sin A = \frac{15}{25}$, find the value of

$$\frac{\tan A}{\sin C + \cos C} = ?$$

- (a) $\frac{14}{21}$
- (b) $\frac{7}{21}$

- (c) $\frac{3}{28}$
(d) $\frac{15}{28}$

Q9. Radhika wants to earn profit of 25% after allowing a discount of 16% on the marked price of an Oppo mobile phone. If the cost price of the phone is Rs. 11760, what should be the marked price of the phone?

- (a) Rs 17,500
(b) Rs 14,500
(c) Rs 11,250
(d) Rs 19,00

Q10. 3 men and 8 women can do a work in 26 days where as 7men and 25women can do the same work in 10 days. In how many days can 9 men complete the same work?

- (a) $12\frac{13}{189}$ days
(b) $13\frac{1}{19}$ days
(c) $13\frac{13}{189}$ days
(d) $3\frac{1}{19}$ days

Q11. In a triangle PQR, Point S lies on PQ and point T and U lie on QR such that SU is parallel to PR and ST is parallel to PU. If QT = 8cm, UR = 6cm, then find the length (in cm) of TU.

- (a) 7cm
(b) 2cm
(c) 4cm
(d) 5cm

Q12. LCM and HCF of two numbers are 660 and 4, respectively. If the sum of the two numbers is 104, then find the smaller number.

- (a) 60
(b) 44
(c) 54
(d) 64

Q13. What is the value of reciprocal of x, if $(6 + 3^2) \div 3$ of $x - 2 \times 3 = -21$?

- (a) -3
(b) -4
(c) 3
(d) 4

Q14. 15 women working 8 hours/day earn Rs. 500. How much money will 12 women working 9 hours/day earn?

- (a) Rs. 550
(b) Rs. 500
(c) Rs. 450
(d) Rs. 480

Q15. In how much time will the simple interest on a certain sum of money be $\frac{3}{8}$ times of the sum at 15% per annum?

- (a) 3 years
(b) 2.5 years
(c) 3.5 years
(d) 2 years

Q16. A sum of money tripled itself at certain rate of compound interest in 12 years. In how many years will it become nine times of itself?

- (a) 30 years
(b) 36 years

- (c) 24 years
(d) 48 years

Q17. The average weight of A and his three brothers is 62 kg. If A is 6 kg more than the average weight of his three brothers, what is A's weight (in kg)?

- (a) 60.5 Kg
(b) 61 Kg
(c) 61.5 Kg
(d) 62 Kg

Q18. A and B entered into a partnership with investments in the ratio 3 : 7. After a few months, A withdrew and collected his money back. At the end of the year, they received profit in the ratio 9 : 28. For how many months did A invest?

- (a) 8
(b) 10
(c) 9
(d) 7

Q19. When a number M is divided by 9, the remainder is 5. What is the remainder if the square of M is divided by 9?

- (a) 5
(b) 8
(c) 6
(d) 7

Q20. If the four-digit number 358y is divisible by 7, then what is the value of y?

- (a) 6
(b) 4
(c) 8
(d) 2

Q21. The average age of six person is 28 years. If one of them is excluded, the average decreases by 3 years. The age of the excluded person in years is:

- (a) 43
(b) 42
(c) 44
(d) 45

Q22. Three numbers are in the ratio 5 : 7 : 9 and their LCM is 20,160. Their HCF is:

- (a) 3
(b) 5
(c) 4
(d) 6

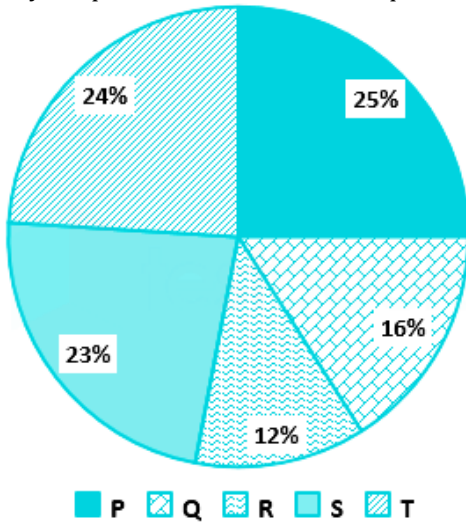
Q23. 14 men can complete a work in 20 days. If 35 men are employed, then in how many days will they complete the same work?

- (a) 12
(b) 8
(c) 9
(d) 11

Q24. The length and breadth of a rectangle are in the ratio 5 : 2. If the length is 12 m more than the breadth. What is the area of the rectangle (in m^2)?

- (a) 156
(b) 162
(c) 158
(d) 160

Q25. The pie-chart shows the percentage-wise distribution of the number of students in five different schools P, Q, R, S and T. The total number of students in all five schools together is 21,000. Study the pie-chart and answer the question.



The difference between the central angles corresponding to schools Q and R is:

- (a) 14.2°
- (b) 13.4°
- (c) 14.4°
- (d) 13.2°

Reasoning Ability

Q1. Three Statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

- All Dumb are Vikas.
- Some Sixteen are Dumb.
- No Width is a Sixteen.

Conclusions:

- I. Some Width are not Dumb.
- II. Some Vikas are Sixteen.
- III. Some Dumb are Sixteen.

- (a) Only Conclusion I follows.
- (b) Both Conclusions II and III follow.
- (c) Only Conclusion III follows.
- (d) Conclusions I, II and III follow.

Q2. Which of the following numbers will replace the question mark (?) in the given series?

800, 640, 384, 153.6, 30.72, ?

- (a) 3.072
- (b) 0
- (c) 307.2
- (d) 60.6

Q3. Select the option that is related to the third term in the same way as the second term is related to the first term and sixth term is related to fifth term.

3 : 90 :: 10 : ? :: 5 : 250

- (a) 200
- (b) 1000
- (c) 100
- (d) 40

Q4. P, Q, R, S and T are standing in a row. S sits third right of R. Q sits right of P and left of T respectively. S sits at the end of row. What is the position of T with respect to P?

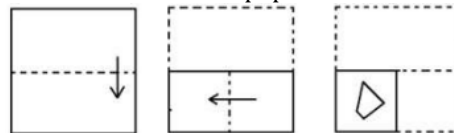
- (a) Third to the left
- (b) second to the right
- (c) third to the right
- (d) second to the left

Q5. If B denotes '÷', C denotes '×', D denotes '-', and E denotes '+', then what will come in place of '?' in the following equation?

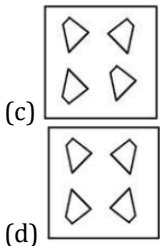
420 B 14 C 4 D 12 E 2 B 10 = ?

- (a) 108.1
- (b) 180.2
- (c) 108.2
- (d) 180.1

Q6. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown below. Choose the figure that would most closely resemble the unfolded form of the paper.

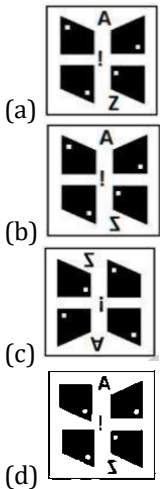


- (a)
- (b)



Q7. Which of the option figure is the exact mirror image of the given problem figure when the mirror is held at the right side?

Problem figure

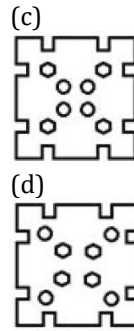
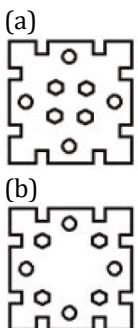
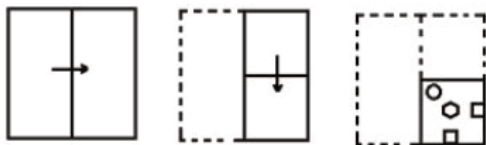


Q8. The different positions of a dice are shown below. Which number appears on the face opposite the number 6?



- (a) 4
- (b) 5
- (c) 1
- (d) 3

Q9. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



Q10. In a certain code language, 'EFFORT' is written as 'JKKTWY', and 'DANCE' is written as 'IFSHJ'. How will 'EARTH' be written in that language?

- (a) JFWYM
- (b) JYWFM
- (c) JWYFM
- (d) JYFWM

Q11. Five persons R, S, M, O and X are sitting in a row facing south direction. S sits at the end of row. O is third right of X and M is second left of O. How many persons sit between S and X?

- (a) One
- (b) Two
- (c) Three
- (d) None

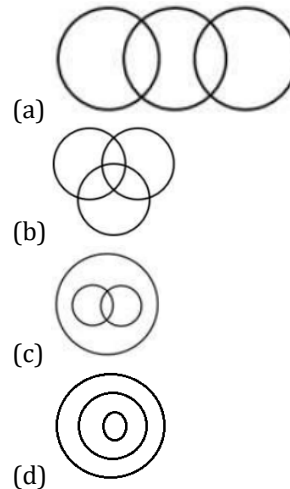
Q12. Select the correct combination of mathematical signs to sequentially replace the * signs and to get zero for the given equation.

$$(729 * 9) * (37 * 14) * 17 * 240 * 3$$

- (a) ÷, ×, +, ÷, -, -
- (b) +, ×, +, ÷, +, -
- (c) ÷, -, ×, +, -, ×
- (d) +, ×, +, -, ÷, +

Q13. Select the Venn diagram that best illustrates the relationship between the following classes.

Maharashtra, India, Mumbai



Q14. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

TIER: UVJKFGST :: SINK : TUJKOPLM :: RUDE: ?

- (a) STVWEFFG

- (b) STWVEFFG
- (c) SWTFVGT E
- (d) STFWVGET

Q15. Select the option figure in which the given figure is embedded (rotation is NOT allowed).



- (a)
- (b)
- (c)
- (d)

Q16. Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

- (a) MOP
- (b) LNO
- (c) TUV
- (d) QST

Q17. Which of the following numbers will replace the question mark (?) in the given series?

118, 143, 159, 168, ?

- (a) 170
- (b) 171
- (c) 172
- (d) 173

Q18. Select the option that is related to the third number in the way as the second number is related to the first number and the sixth number is related to the fifth number.

32 : 192 :: 62 : ? :: 43 : 516

- (a) 248
- (b) 744
- (c) 528
- (d) 362

Q19. Find the missing numbers (x & y) in the series and find the value of (y - x)

8, 17, 25, 33, x, 49, y

- (a) 12

- (b) 10
- (c) 20
- (d) 16

Q20. Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Rubric
2. Ruminant
3. Rose
4. Reader
5. Reap

- (a) 4, 5, 3, 1, 2
- (b) 4, 5, 1, 3, 2
- (c) 4, 5, 3, 2, 1
- (d) 4, 3, 5, 1, 2

Q21. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

G _ _ D O _ KN _ O GK _ D _ G K _ _ O

- (a) K N D G N O N D
- (b) K N G N D O N D
- (c) K N G D N O G D
- (d) K N G D N O N D

Q22. Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation.

624 * 13 * 9 * 14 * 132 * 54

- (a) +, -, ×, ÷, =
- (b) ÷, ×, +, -, =
- (c) ÷, +, ×, -, =
- (d) ÷, -, ×, +, =

Q23. Find the missing number in the series.

529, 576, 625, 676, ?, 784

- (a) 780
- (b) 841
- (c) 729
- (d) 756

Q24. If 10 May 2011 was a Tuesday, then what was the day of the week on 8 May 2004?

- (a) Monday
- (b) Tuesday
- (c) Saturday
- (d) Sunday

Q25. In a code language, If WORD is written as 5694 and LIKE is written as 3925, then how will PRODUCT be written in the same language?

- (a) 7964332
- (b) 7963554
- (c) 5543697
- (d) 8273554

English Language

Q1. Select the CORRECTLY spelled word.

- (a) Exhilaration
- (b) Advisory
- (c) Perseverence
- (d) Irreverant

Q2. Select the most appropriate option to fill in the blank in the given sentence.

His _____ knowledge of ancient history impressed the professors.

- (a) Perfunctory
- (b) Incipient
- (c) Profound
- (d) Dubious

Q3. Identify the segment in the given sentence which contains the grammatical error.

Despite of working hard, he couldn't achieve his target.

- (a) Despite of working hard
- (b) he couldn't achieve
- (c) his target.
- (d) No Error

Q4. Select the option that will improve the segment in bold of the given sentence. In case no improvement is needed, select 'No improvement.'

He walks into the room and everyone stopped talking.

- (a) He walking
- (b) He walked
- (c) He walk
- (d) No improvement

Q5. Select the word which means the same as the group of words given.

A person who can endure pain or hardship without showing their feelings or complaining.

- (a) Stoic
- (b) Pedantic
- (c) Linchpin
- (d) Siesta

Q6. Select the word which means the same as the group of words given.

The art of producing beautiful handwriting

- (a) Cacography
- (b) Calligraphy
- (c) Luminosity
- (d) Philanthropy

Q7. Select the INCORRECTLY spelled word.

- (a) Conscientious
- (b) Camouflage
- (c) Magnificent
- (d) Dessiminate

Q8. Select the most appropriate meaning of the idiom.

Cost an arm and a leg

- (a) Be extremely materialistic
- (b) Be extremely expensive
- (c) Be extremely generous
- (d) Be extremely cheap

Q9. Select the most appropriate meaning of the idiom.

Best of both the worlds

- (a) Trying to fix a broken relationship
- (b) All the advantages of two different situations
- (c) Expressing strong emotions
- (d) Criticizing both aspects of a situation

Q10. Select the most appropriate option to fill in the blank in the given sentence.

The scientist conducted a _____ study to validate the hypothesis.

- (a) Cursory
- (b) Superficial
- (c) Comprehensive
- (d) Tentative

Q11. Select the word which means the same as the group of words given.

A person who is trained to travel in a spacecraft.

- (a) Astrologer
- (b) Maladroit
- (c) Dexterous
- (d) Astronaut

Q12. Select the most appropriate synonym of the given word.

Ubiquitous

- (a) Scarce
- (b) Common
- (c) Elusive
- (d) Sporadic

Q13. Select the most appropriate option to fill in the blank in the given sentence.

You have not ____ applied for the job I told you about.

- (a) Rather
- (b) Yet
- (c) Hardly
- (d) Somehow

Q14. Select the word which means the same as the group of words given.

A notice of the death of a person, especially in a newspaper.

- (a) Orion
- (b) Omen
- (c) Orbital
- (d) Obituary

Q15. Select the most appropriate option to fill in the blank in the given sentence.

The mountain trek was so arduous, _____ the breathtaking view made it all worth it.

- (a) But
- (b) Although
- (c) Also
- (d) Thorough

Directions (16-20): In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The Black Forest, or "Schwarzwald" in German, is a captivating woodland that stretches across southwestern Germany. Characterized by its dense _____ (1) of evergreen trees, the forest is a tapestry of pine and fir trees that appear almost black from a distance, thus giving it its evocative name. The forest is not just a natural spectacle but also a realm steeped in folklore and _____ (2). It is the very landscape that inspired the Brothers Grimm to pen their famous fairy tales, including narratives of witches, wolves, and wandering children.

The Black Forest is also home to Germany's highest waterfalls, the Triberg Waterfalls, which cascade gracefully _____ (3) the verdant terrain. The region is riddled with hiking trails that meander through the hills, offering panoramic views of the surrounding valleys and even the distant Alps on a clear day. Beyond its natural beauty, the Black Forest is _____ (4) for its cultural contributions. It is the birthplace of the iconic cuckoo clock, and the local ham and cherry cake are culinary treats that have transcended borders.

This forest is not just a place; it's an experience that captures the imagination, _____ (5) the taste buds, and invigorates the soul. Whether you're an adventurer, a cultural enthusiast, or someone seeking tranquility, the Black Forest has something to offer.

Q16. Select the most appropriate option to fill in the blank no.1.

- (a) Entropy
- (b) Canopy
- (c) Mud
- (d) Fog

Q17. Select the most appropriate option to fill in the blank no.2.

- (a) Rendition
- (b) Coalition
- (c) Tradition
- (d) Trepidation

Q18. Select the most appropriate option to fill in the blank no.3.

- (a) Through
- (b) Although
- (c) Though
- (d) Outside

Q19. Select the most appropriate option to fill in the blank no.4.

- (a) Crowned
- (b) Unbiased
- (c) Frowned
- (d) Renowned

Q20. Select the most appropriate option to fill in the blank no.5.

- (a) Energizes
- (b) Tantalizes
- (c) Camouflaged
- (d) Symbolizes

Q21. Select the most appropriate synonym of the given word.

- Taciturn
- (a) Loquacious
 - (b) Voluble
 - (c) Gregarious
 - (d) Reticent

Q22. Select the most appropriate option to fill in the blank in the given sentence.

In about two years he ____ be promoted to Vice chancellor.

- (a) is
- (b) will
- (c) to
- (d) might have

Q23. Identify the segment in the given sentence which contains the grammatical error.

His dedication and commitment to the project were the main reasons in its success.

- (a) His dedication and commitment
- (b) to the project were
- (c) the main reasons in its success.
- (d) No Error

Q24. Select the most appropriate synonym of the given word.

- Sycophant
- (a) Flatterer
 - (b) Egalitarian
 - (c) Iconoclast
 - (d) Altruist

Q25. Select the most appropriate antonym of the given word.

- Productivity
- (a) Temerity
 - (b) Dullness
 - (c) Vicinity
 - (d) Fertility

Q26. Select the INCORRECTLY spelled word.

- (a) Nauseous
- (b) Rapport
- (c) Dearth
- (d) Camouflage

Q27. Select the most appropriate option to fill in the blank in the given sentence.

The pricing of essential medications is regulated ____ the National Pharmaceutical Pricing Authority.

- (a) by
- (b) for
- (c) to
- (d) of

Q28. Identify the segment in the given sentence which contains the grammatical error.

Having won the championship, the celebrations continue throughout the night.

- (a) Having won the championship,
- (b) the celebrations continue
- (c) throughout the night.
- (d) No Error

Q29. Select the most appropriate synonym of the given word.

- Estrange
- (a) Alienate

- (b) Trail
- (c) Overrule
- (d) Interim

Q30. Select the most appropriate antonym of the given word.

- Efficient
- (a) Disorganized
 - (b) Coherent
 - (c) Fleeting
 - (d) Orderly

Q31. Select the most appropriate option to fill in the blank in the given sentence.

I couldn't _____ the opportunity to travel to Paris when my friends invited me.

- (a) step up
- (b) lie on
- (c) pass up
- (d) jump in

Q32. Identify the segment in the given sentence which contains the grammatical error.

The research team, consisting of scientists, engineers, and architects, were awarded for their groundbreaking work.

- (a) The research team, consisting of scientists, engineers, and architects,
- (b) were awarded for their
- (c) groundbreaking work.
- (d) No Error

Q33. Select the most appropriate synonym of the given word.

- Sanguine
- (a) Melancholic
 - (b) Pessimistic
 - (c) Optimistic
 - (d) Cynical

Q34. Select the most appropriate antonym of the given word.

Meticulous

- (a) Careful
- (b) Diligent
- (c) Sloppy
- (d) Thorough

Q35. Select the most appropriate option to fill in the blank in the given sentence.

Angry at his team's poor performance, the coach _____ them during halftime.

- (a) lay into
- (b) looked up
- (c) made up
- (d) ran into

Q36. Identify the segment in the given sentence which contains the grammatical error.

By the end of the month, Karan will have participate in five different workshops on leadership skills.

- (a) By the end of the month,
- (b) Karan will have participate in
- (c) workshops on leadership skills.
- (d) No error

Q37. Select the most appropriate synonym of the given word.

- Sagacious
- (a) Foolish

- (b) Perceptive
- (c) Naive
- (d) Incompetent

Q38. Select the most appropriate antonym of the given word.

- Inept
- (a) Awkward
 - (b) Clumsy
 - (c) Competent
 - (d) Beneficial

Q39. Select the most appropriate option to fill in the blank in the given sentence.

The scientist conducted an _____ experiment to test the new hypothesis.

- (a) Inept
- (b) Imperative
- (c) Innovative
- (d) Insignificant

Q40. Identify the segment in the given sentence which contains the grammatical error.

She didn't found her missing keys despite searching everywhere.

- (a) She didn't found
- (b) her missing keys
- (c) despite searching everywhere.
- (d) No Error

Q41. The most appropriate meaning of the idiom "to be in hot water" is

- (a) To be physically hot.
- (b) To be in trouble or facing difficulties.
- (c) To enjoy warm weather.
- (d) To take a relaxing bath.

Q42. Select the option that will improve the segment in bold of the given sentence. In case no improvement is needed, select 'No improvement.'

You will seldomly see an unfriendly puppy.

- (a) You will seldom
- (b) You would have seldomly
- (c) You were seldom
- (d) No improvement

Q43. Select the most appropriate antonym of the given word.

Ebullient

- (a) Ebullition
- (b) Munificent
- (c) Esoteric
- (d) Sullen

Q44. Select the word which means the same as the group of words given.

A state of temporary disuse or suspension

- (a) Abeyance
- (b) Quiescence
- (c) Obfuscation
- (d) Proclivity

Q45. Select the most appropriate antonym of the given word.

Fecund

- (a) Guile
- (b) Bliss
- (c) Sterile

(d) Obscure

Directions (46 -50): Read the passage carefully and choose the best answer to each question out of the four alternatives.

In the realm of human performance, various experiments have delved into why some people are more efficient than their average counterparts. These studies span multiple disciplines, from psychology and neuroscience to management science. One key area of focus is cognitive function—how the brain processes and uses information. Research shows that efficient people often excel at "chunking," the ability to break down complex information into manageable units, thereby enhancing memory and decision-making skills.

Another intriguing line of study investigates the "flow state," a psychological state of complete immersion in a task. Experiments have found that individuals who frequently enter this state tend to accomplish tasks more efficiently and with greater satisfaction. Interestingly, efficiency is not always tied to speed; it's about doing more with less. Time-tracking experiments reveal that more efficient people are better at prioritizing tasks and allocating time to high-impact activities, rather than being perpetually busy.

Neuroscientific studies have also brought attention to the role of the prefrontal cortex in efficient behavior. This part of the brain, responsible for executive functions like planning and problem-solving, is more active in efficient people. Importantly, many of these traits are not just innate but can be cultivated through deliberate practice and cognitive training exercises.

In organizational settings, efficiency often translates to increased productivity and job satisfaction. Experiments using randomized controlled trials have shown that workplace interventions—such as flexibility in work schedules or targeted training programs—can significantly improve efficiency across teams.

In conclusion, the scientific endeavour to understand human efficiency is a multidisciplinary effort. Various experiments

have unearthed key factors that make some individuals more efficient than others, providing insights that could be pivotal in personal development and organizational success.

Q46. What is the most appropriate title for this passage?

- (a) The Brain's Efficiency in Multitasking
- (b) The Science of Being More Productive
- (c) The Power of Speed in Cognitive Function
- (d) Strategies for Time Management

Q47. According to the passage, what term describes the psychological state of complete immersion in a task?

- (a) Disconnection
- (b) Multitasking
- (c) Flow state
- (d) Overwhelm

Q48. Which part of the brain is mentioned as being responsible for executive functions like planning and problem-solving in the passage?

- (a) Occipital cortex
- (b) Amygdala
- (c) Prefrontal cortex
- (d) Hippocampus

Q49. What is one key aspect that distinguishes efficient individuals from their average counterparts, as mentioned in the passage?

- (a) They work faster on tasks.
- (b) They have a higher IQ.
- (c) They prioritize tasks effectively.
- (d) They engage in fewer tasks simultaneously.

Q50. Which word from the passage is synonymous with "effectiveness"?

- (a) Efficiency
- (b) Immersion
- (c) Overwhelm
- (d) Disconnection

General awareness

Q1. Sindhi language was added to the Indian Constitution by which amendment?

- (a) 21st Amendment
- (b) 22nd Amendment
- (c) 23rd Amendment
- (d) 24th Amendment

Q2. The Fundamental Rights in India enshrined in which part of the Constitution?

- (a) Part I
- (b) Part II
- (c) Part III
- (d) Part IV

Q3. Asiatic Society was established by –

- (a) William Jones
- (b) James Mill
- (c) Warren Hastings
- (d) Robert Clive

Q4. Prithvi Raj III was related to which dynasty?

- (a) Maurya
- (b) Chauhan
- (c) Gupta
- (d) Mughal

Q5. Which among the following is a fundamental duty?

- (a) To pay taxes
- (b) To respect the National Flag
- (c) To vote
- (d) To own property

Q6. No. of Lok Sabha members from Punjab?

- (a) 10
- (b) 13
- (c) 15
- (d) 17

Q7. Dhruva Sen I was associated with which dynasty?

- (a) Maurya Dynasty

- (b) Gupta Dynasty
- (c) Chola Dynasty
- (d) *Rashtrakuta Empire*

Q8. In which year did the Battle of Plassey take place?

- (a) 1757
- (b) 1857
- (c) 1764
- (d) 1845

Q9. Who is the founder of Satyashodhak Samaj?

- (a) Raja Ram Mohan Roy
 - (b) Swami Dayanand Saraswati
 - (c) Jyotirao Phule
 - (d) B.R. Ambedkar
- Art and Culture

Q10. Vasudevan Pillai is related to which field?

- (a) Dance
- (b) Music
- (c) Education
- (d) Painting

Q11. Which of the following personalities is associated with Odissi dance?

- (a) Rukmini Devi
- (b) Birju Maharaj
- (c) Kelucharan Mohapatra
- (d) None of these

Q12. Which of the following Dance academies was established by Mrinalini Sarabhai?

- (a) Nrityagram
- (b) Darpana Academy
- (c) Kalakshetra
- (d) Sangeet Natak Akademi

Q13. Which state does Raut Nach belong to?

- (a) Maharashtra
- (b) Chhattisgarh
- (c) Rajasthan
- (d) Kerala

Q14. What is the location of Mallamapuram Temple?

- (a) Tamil Nadu
- (b) Kerala
- (c) Karnataka
- (d) Andhra Pradesh

Q15. Kuchipudi dance is associated with which state?

- (a) Tamil Nadu
- (b) Kerala
- (c) Andhra Pradesh
- (d) Karnataka

Q16. Bhutiya dance is associated with which state?

- (a) Sikkim
 - (b) Assam
 - (c) Himachal Pradesh
 - (d) Arunachal Pradesh
- Geography

Q17. The oceanic crust is primarily composed of?

- (a) Granite
- (b) Basalt
- (c) Sandstone

- (d) Limestone
- Economics

Q18. Fiscal deficit is?

- (a) Revenue Expenditure - Revenue Receipts
- (b) Total Expenditure - Total Receipts
- (c) Capital Expenditure - Capital Receipts
- (d) Total Expenditure - (Revenue Receipts + Capital Receipts)

General Knowledge

Q19. Which Indian King's court was Tansen in?

- (a) Akbar
- (b) Humayun
- (c) Shah Jahan
- (d) Babur

Q20. National Commission for Women Act was enacted in which year?

- (a) 1980
- (b) 1990
- (c) 1992
- (d) 2000

Q21. The person who has a fear of water is known as?

- (a) Agoraphobic
- (b) Aquaphobic
- (c) Claustrophobic
- (d) Acrophobic

Q22. Ajmer was made the capital by which king?

- (a) Akbar
- (b) Prithvi Raj III
- (c) Rana Sanga
- (d) Ajayaraja I

Q23. "My Life" book is written by -

- (a) Nelson Mandela
- (b) Bill Clinton
- (c) Barack Obama
- (d) Mahatma Gandhi

Q24. Which element in the S and P blocks of the periodic table exhibits the highest electronegativity?

- (a) Oxygen
- (b) Fluorine
- (c) Nitrogen
- (d) Chlorine

Q25. Who holds the record for being the fastest piano player in the world as of 2020?

- (a) Lang Lang
 - (b) Peter Bence
 - (c) Ludovico Einaudi
 - (d) Yiruma
- Sports

Q26. First Commonwealth Games was organized at?

- (a) London
 - (b) Sydney
 - (c) Hamilton
 - (d) Delhi
- Agriculture

Q27. Which among the following is a Kharif crop?

- (a) Wheat

- (b) Rice
(c) Mustard
(d) Gram

Q28. How much rainfall do Kharif crops generally need?

- (a) 50-100 cm
(b) 100-200 cm
(c) 200-300 cm
(d) Less than 50 cm

Q29. In the Global Hunger Index 2022, which country ranks below India?

- (a) Pakistan
(b) Bangladesh
(c) Afghanistan
(d) Nepal

Q30. What is the second name for methyl ethyl ketone?

- (a) Butanone
(b) Acetone
(c) Formaldehyde
(d) Ethanol

Q31. Which is not an organic compound?

- (a) Methane
(b) Ethanol
(c) Sodium Chloride
(d) Acetic Acid

Q32. Up to what amount can one take a microloan?

- (a) Up to 10,000
(b) Up to 50,000
(c) Up to 1 lakhs
(d) Up to 1.25 lakhs

Q33. Which algae is found in deep water?

- (a) Green Algae
(b) Red Algae
(c) Brown Algae
(d) Blue Algae

Q34. Who helped Mahatma Gandhi in Kheda Satyagraha along with Sardar Patel?

- (a) Jawaharlal Nehru
(b) Rajendra Prasad
(c) Maulana Abul Kalam Azad
(d) Mahadev Desai

Solutions

Quantitative Aptitude

S1. Ans.(a)

Sol. Total profit Tata Pvt. Ltd. = (350 + 630 + 290 + 420) = 1690

Total Profit of Jio Mart and Airtel Bharti = (100 + 110 + 100 + 124 + 180 + 195 + 140 + 150) = 1099

Required Result = $\frac{1690-1099}{1099} \times 100 = 53.77$ (appx.) = 54%

S2. Ans.(d)

Sol. Students enrolled in Sharda University in 2018 and 2019 = (375 + 225) = 600

Students enrolled in Amity University in 2016 and 2017 = (160 + 280) = 440

Required Ratio = 600 : 440

15 : 11

S3. Ans.(a)

Sol.

$$\Rightarrow 5\frac{1}{6} + \left[3\frac{1}{6} + \left\{ 17 \times \left(4\frac{4}{5} \div 2\frac{2}{50} \right) \right\} \right]$$

$$\Rightarrow \frac{31}{6} + \left[\frac{19}{6} + \left\{ 17 \times \left(\frac{24}{5} \times \frac{50}{102} \right) \right\} \right]$$

$$\Rightarrow \frac{31}{6} + \left[\frac{19}{6} + \left\{ 17 \times \frac{40}{17} \right\} \right]$$

$$\Rightarrow \frac{31}{6} + \left[\frac{19}{6} + 40 \right]$$

$$\Rightarrow \frac{31}{6} + \left[\frac{259}{6} \right]$$

$$= \frac{31+259}{6} = \frac{290}{6} = 48.33$$

S4. Ans.(d)

Sol. Let the discount percent be x

Selling price = Marked price $\times \frac{(100-D)}{100}$

$$1764 = 3136 \times \left(\frac{100-D}{100} \right)^2$$

$$\frac{1764}{3136} = \left(\frac{100-D}{100} \right)^2$$

$$\frac{441}{784} = \left(\frac{100-D}{100} \right)^2$$

$$\frac{21}{28} = \frac{100-D}{100}$$

$$\frac{3}{4} = \frac{100-D}{100}$$

$$D = 25\%$$

S5. Ans.(d)

Sol. No. of cars sold during the year of 2020 = $96120 \times \frac{110}{360}$ = 29,370

S6. Ans.(d)

Sol. $2 \tan \theta = 4 \sin \theta$

$$\frac{\sin \theta}{\cos \theta} = 2 \sin \theta$$

$$\cos \theta = \frac{1}{2}, \theta = 60^\circ$$

Now,

$$\Rightarrow 2 \sin^2 2\theta + 3 \cos^2 3\theta$$

$$\Rightarrow 2 \cdot \sin^2 120^\circ + 3 \cos^2 180^\circ$$

$$\Rightarrow 2 \cdot \sin^2 (90 + 30^\circ) + 3 \cos^2 (90^\circ + 90^\circ)$$

$$\Rightarrow 2 \cdot \cos^2 30 + 3 \sin^2 90^\circ$$

$$\Rightarrow 2 \times \left(\frac{\sqrt{3}}{2} \right)^2 + 3 \times (1)^2$$

$$\Rightarrow 2 \times \frac{3}{4} + 3$$

$$\Rightarrow 4.5$$

S7. Ans.(c)

Sol. Area of circle park = πr^2

$$7546 \text{ m}^2 = \frac{22}{7} \times r^2$$

$$r = 49 \text{ m}$$

The wide path = 3.5

Now,
 Radius of the circular park = $(49 + 3.5) = 52.5$
 Now,
 Area of path = $\pi R^2 - \pi r^2$
 $= \frac{22}{7} (52.5^2 - 49^2)$
 $\Rightarrow \frac{22}{7} (2756.25 - 2401)$
 $= \frac{22}{7} \times 355.25 = 1116.5$

S8. Ans.(d)

Sol. $\sin A = \frac{15}{25} = \frac{\text{Perpendicular}}{\text{hypotenous}}$, $\text{base} = \sqrt{25^2 - 15^2} = 20$

Now,

$$\frac{\tan A}{\sin C + \cos C} = \frac{\frac{15}{20}}{\frac{20}{25} + \frac{15}{25}}$$

$$= \frac{\frac{15}{20}}{\frac{20+15}{25}} = \frac{15}{20} \times \frac{25}{35} = \frac{15}{28}$$

S9. Ans.(a)

Sol.

CP	SP	MP
4	5	
	<u>21</u>	<u>25</u>
84	105	125

84 units \rightarrow 11760

then,

Marked Price $\rightarrow \frac{11760}{84} \times 125$

Marked Price = 17500

S10. Ans.(c)

Sol. A.T.Q

Total Work = $(3m + 8w) \times 26 = (7m + 25w) \times 10$

$\Rightarrow 39m + 104w = 35m + 125w$

$\Rightarrow \frac{m}{w} = \frac{21}{4}$

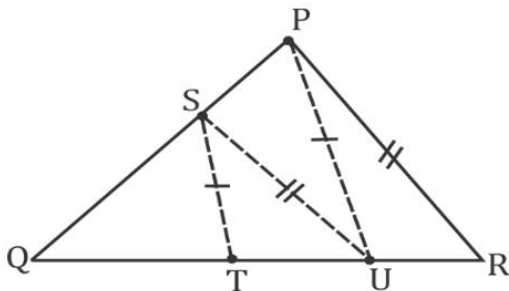
Total Work = $(3 \times 21 + 8 \times 4) \times 26$
 $= 2470$

Required Result = $\frac{2470}{9 \times 21}$

$= \frac{2470}{189} = 13 \frac{13}{189}$ days

S11. Ans.(c)

Sol.



er

In ΔPQR $\frac{QS}{PQ} = \frac{QU}{RQ}$ ----- (i)

In ΔQPU $\frac{QS}{PQ} = \frac{QT}{QU}$ ----- (ii)

On solving equation (i) and (ii)

$\frac{QU}{RQ} = \frac{QT}{QU}$

$(QU)^2 = QT \times QR$

$(8 + x)^2 = 112 + 8x$
 $x^2 + 8x - 48 = 0$
 $x^2 + 12x - 4x - 48 = 0$
 $x(x + 12) - 4(x + 12) = 0$
 $(x - 4)(x + 12) = 0$
 $x = 4, -12$

$x \neq -12$

So then,

Length of TU = 4 cm

S12. Ans.(b)

Sol. LCM \times HCF = I no. \times II no.

$x \times (104 - x) = 660 \times 4$

$-x^2 + 104x = 2640$

$x^2 - 104x + 2640 = 0$

$x^2 - 60x - 44x + 2640 = 0$

$x(x - 60) - 44(x - 60) = 0$

$x = 44, 60$

Smaller number = 44

S13. Ans.(a)

Sol. $(6 + 9) \div 3$ of $x - 6 = -21$

$15 \div 3x = -21 + 6$

$15 \div 3x = -15$

$\frac{15}{3x} = -15$

$3x = -1$

$\frac{1}{x} = -3$

$x = -\frac{1}{3}$

S14. Ans.(c)

Sol.

$\frac{M_1 T_1}{W_1} = \frac{M_2 T_2}{W_2}$
 $\Rightarrow \frac{15 \times 8}{500} = \frac{12 \times 9}{x}$
 $\Rightarrow x = \frac{12 \times 9 \times 500}{15 \times 8}$
 $\Rightarrow x = 450$

S15. Ans.(b)

Sol.

$\frac{3}{8}P = \frac{P \times 15 \times T}{8 \times 100}$
 $T = \frac{3 \times 100}{8 \times 15} = \frac{5}{2}$ year = 2.5 years

S16. Ans.(c)

Sol.

$3P = P \left(1 + \frac{R}{100}\right)^{12}$
 $3 = \left(1 + \frac{R}{100}\right)^{12}$ ----- (i)

Now,

$9P = P \left(1 + \frac{R}{100}\right)^T$
 $9 = \left(1 + \frac{R}{100}\right)^T$
 $3^2 = \left(1 + \frac{R}{100}\right)^T$
 $\left\{\left(1 + \frac{R}{100}\right)^{12}\right\}^2 = \left(1 + \frac{R}{100}\right)^T$
 $\left(1 + \frac{R}{100}\right)^{24} = \left(1 + \frac{R}{100}\right)^T$

$T = 24$ years

S17. Ans.(a)

Sol. Let the average weight of 3 brothers be x.

$$x + 6 + 3x = 62 \times 4$$

$$4x + 6 = 248$$

$$4x = 242$$

$$x = \frac{242}{4} = 60.5 \text{ kg}$$

S18. Ans.(c)

Sol.

$$\frac{3 \times T_A}{7 \times T_B} = \frac{9}{28} \Rightarrow \frac{3 \times T_A}{7 \times 12} = \frac{9}{28}$$

$$T_A = \frac{9 \times 7 \times 12}{28 \times 3} = \frac{3 \times 12}{4} = 9 \text{ months}$$

S19. Ans.(d)

Sol. $M = 9k + 5$

$$M^2 = (9k + 5)^2 = 81k^2 + 25 + 90k$$

$$\frac{M^2}{9} = \frac{81k^2 + 25 + 90k}{9}$$

$$= (9k^2 + 10k + 2) + \frac{7}{9}$$

Remainder $\rightarrow 7$

Alternative method:-

Number = $9 + 5 = 14$

Square = 196

Remainder $\left(\frac{196}{9}\right) = 7$

S20. Ans.(b)

Sol. $358 - 2 \times 4 = 358 - 8 = 350$, which is divisible by 7.

S21. Ans.(a)

Sol. Sum of ages of 6 persons = 168

Sum of ages of 5 persons = 125

Age of excluded person = $(168 - 125) = 43$ years

S22. Ans.(c)

Sol. Number $\rightarrow 5x, 7x, 9x$

LCM = 20,160

$315 \times x^3 = 20,160$

$x = 4$

HCF = 4

S23. Ans.(b)

Sol. No. of days = $\frac{14 \times 20}{35}$

$= 2 \times 4 = 8$ days

S24. Ans.(d)

Sol. Length = 20m

Breadth = 8 m

Area = $20 \times 8 = 160 \text{ m}^2$

S25. Ans.(c)

Sol.

Difference = $\frac{4}{100} \times 360^\circ$

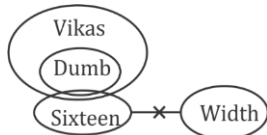
$= 3.6 \times 4$

$= 14.4^\circ$

Reasoning Ability

S1. Ans.(b)

Sol.



I. ✗

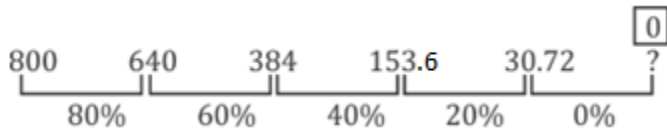
II. ✓

III. ✓

Both Conclusions II and III follows

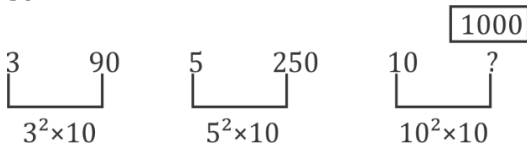
S2. Ans.(b)

Sol.



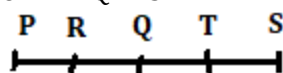
S3. Ans.(b)

Sol.



S4. Ans.(c)

Sol. P R Q T S



S5. Ans.(c)

Sol. $420 \div 14 \times 4 - 12 + 2 \div 10$

$30 \times 4 - 12 + 2 \div 10$

$120 - 12 + \frac{1}{5}$

$108 + 0.2$

108.2

S6. Ans.(d)

S7. Ans.(b)

S8. Ans.(a)

S9. Ans.(c)

S10. Ans.(a)

Sol. +5 letters

S11. Ans.(d)

Sol. Arrangement = ORMXS

S12. Ans.(a)

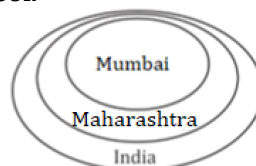
Sol. $(729 \div 9) \times (37 + 14) \div 17 - 240 - 3$

$81 \times 51 \div 17 - 243$

$243 - 243 = 0$

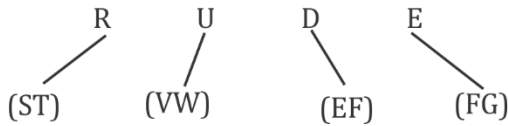
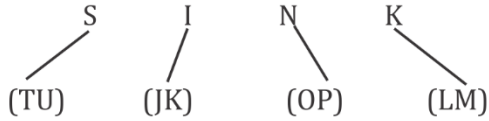
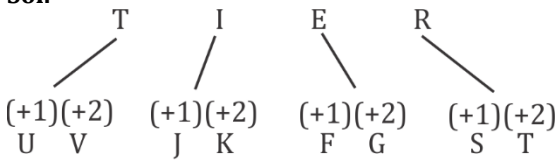
S13. Ans.(d)

Sol.



S14. Ans.(a)

Sol.



S15. Ans.(c)

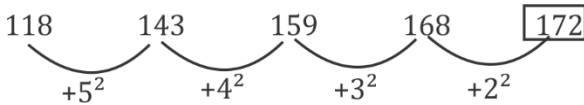
Sol.

S16. Ans.(c)

Sol. +2, +1

S17. Ans.(c)

Sol.



S18. Ans.(b)

Sol. Logic:- 1st no. × multiplication of digits of 1st no. = 2nd no.

32 : 192

$32 \times (3 \times 2) = 32 \times 6 = 192$

43 : 516

$43 \times (4 \times 3) = 516$

Similarly,

62 : ?

$62 \times (6 \times 2) = 62 \times 12 = 744$

Hence, 744 is the correct answer.

S19. Ans.(d)

Sol.

8, 17, 25, 33, x, 49, y

$8 \times 2 + 1 = 17$

$8 \times 3 + 1 = 25$

$8 \times 4 + 1 = 33$

$x \rightarrow 8 \times 5 + 1 = 41$

$8 \times 6 + 1 = 49$

$y \rightarrow 8 \times 7 + 1 = 57$

$y - x = 57 - 41 = 16$

S20. Ans.(a)

Sol.

4. Reader

5. Reap

3. Rose

1. Rubric

2. Ruminant

Hence, 4, 5, 3, 1, 2 is the correct answer.

S21. Ans.(d)

Sol.

G K N D O / G K N D O / G K N D O / G K N D O

Hence, KNGDNOND is the correct answer.

S22. Ans.(d)

Sol. $624 \div 13 - 9 \times 14 + 132 = 54$

$48 - 9 \times 14 + 132 = 54$

$48 - 126 + 132 = 54$

$180 - 126 = 54$

$54 = 54$

Hence, the answer is “÷, -, ×, +, =”

S23. Ans.(c)

Sol. Square of number are given starts from 23 to 28.

S24. Ans.(c)

Sol. 10 May 2011 = Tuesday

Number of years b/w 2004 & 2011 = 7

Number of leap years b/w 2004 & 2011 = 1

So, Total no. of odd days = $\frac{7+1}{7} = \frac{8}{7} = 1$ (Remainder)

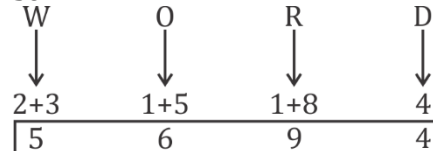
As, 10 may 2011 = Tuesday

So, 10 may 2004 = (Monday) (Decrease 1 day as 1 odd day)

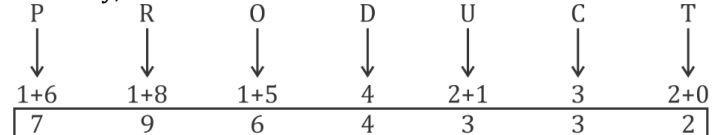
So, 8 may 2004 = Saturday

S25. Ans.(a)

Sol.



Similarly,



English Language

S1. Ans.(b)

Sol. The correct answer is option (b) 'Advisory'

(a) Exhilaration: This is incorrect. The correct spelling is "Exhilaration."

(b) Advisory: This is the correct spelling of the word, which means providing advice or serving as a guide.

(c) Perseverance: This is incorrect. The correct spelling is "Perseverance."

(d) Irreverant: This is incorrect. The correct spelling is "Irreverent."

Therefore, the only correctly spelled word among the options is "Advisory."

S2. Ans.(c)

Sol. The word "profound" means deep or intense. In this context, it indicates a deep and extensive knowledge of ancient history.

- Meanings of the other given words:
- Perfunctory: This word means doing something in a routine or superficial manner, without much effort or enthusiasm. It doesn't convey the idea of impressive knowledge.
- Incipient: This word refers to something that is just beginning or in its early stages. While it could describe someone's knowledge being in the early stages, it doesn't necessarily imply impressiveness.
- Dubious: This word means doubtful or uncertain. It doesn't fit the context of someone impressing professors with their knowledge.

S3. Ans.(a)

Sol. The word "despite" is a preposition that means "in spite of" or "regardless of." It's used to show contrast or opposition between two ideas. When using "despite," you don't need to add the word "of" after it.

So, the correct construction is: "Despite working hard, he couldn't achieve his target."

S4. Ans.(b)

Sol. The correct answer is option (b)

- Replace 'He walks' with 'He walked' to make the sentence grammatically and contextually correct.
- The second verb of the sentence that is 'stopped' is in past form therefore the first verb 'walk' will also be used in its past form 'walked'.

S5. Ans.(a)

Sol. The word that means the same as "a person who can endure pain or hardship without showing their feelings or complaining" is option (a) 'Stoic'

A "stoic" is someone who remains calm and uncomplaining in the face of adversity or pain.

Now, let's briefly explain the other options:

- Pedantic: This term refers to someone who is overly concerned with minor details and rules, often in a way that is annoying or overly formal.
- Linchpin: A "linchpin" is a device used to secure a wheel or other mechanism in place.
- Siesta: A "siesta" is a short nap or rest taken in the early afternoon.

Hence, the correct answer is option (a).

S6. Ans.(b)

Sol. The word that means the same as "The art of producing beautiful handwriting" is option (b) 'Calligraphy.'

Calligraphy is the art of beautiful and decorative handwriting. It involves skillfully creating elegant and artistic lettering using various writing instruments, such as pens and brushes. Let's briefly explain other options

- Cacography: Cacography refers to poor or ugly handwriting.
- Luminosity: Luminosity relates to the emission of light or brightness.
- Philanthropy: Philanthropy is the act of donating money or resources to charitable causes.

Hence, the correct answer is option (b).

S7. Ans.(d)

Sol. The incorrectly spelled word in the options is option (d) Dessiminate. The correct spelling is "Disseminate," which

means to spread or distribute widely, especially information, ideas, or knowledge.

Meanings of the other words:

- Conscientious: Showing a strong sense of duty, responsibility, and diligence in performing tasks or duties. Someone who is conscientious takes their responsibilities seriously and strives to do their best.
- Camouflage: The act of concealing or disguising something, often to blend in with the surroundings and avoid detection. It can also refer to the pattern or colors used for concealment, especially in nature or military contexts.
- Magnificent: Extremely impressive, grand, or splendid in appearance, scale, or quality. Something that is magnificent elicits awe or admiration due to its beauty, richness, or excellence.

S8. Ans.(b)

Sol. The correct answer is option (b) 'Be extremely expensive' The idiom "cost an arm and a leg" is used to describe something that is extremely expensive or costs a lot of money. It emphasizes that the price of the item or service is very high. The other options do not accurately capture the meaning of this idiom.

S9. Ans.(b)

Sol. The most appropriate meaning of the idiom "Best of both the worlds" is option (b) 'All the advantages of two different situations.'

The idiom "Best of both the worlds" implies that someone is enjoying the benefits or advantages of two different situations simultaneously.

Hence, the correct answer is option (b) as it accurately represents the meaning of the idiom.

S10. Ans.(c)

Sol. Meanings of the given words:

- Cursory: A cursory study is a brief and hasty examination of something. It's done quickly and without much attention to detail, which wouldn't be suitable for validating a hypothesis thoroughly.
- Superficial: A superficial study is one that only considers the surface aspects and doesn't delve deep into the subject. It lacks thoroughness and depth, which is not ideal for validating a hypothesis.
- Comprehensive: A comprehensive study is a thorough and detailed examination of a subject from various angles. It involves a deep and extensive analysis, making it the most suitable choice for validating a hypothesis since it ensures a complete and well-rounded investigation.
- Tentative: A tentative study is one that is uncertain, hesitant, or experimental in nature. It implies that the study might not be fully developed or finalized, which wouldn't be the best approach for validating a hypothesis conclusively.
- In the context of validating a hypothesis, a "comprehensive" study would involve a thorough and detailed examination of the hypothesis and its implications, making sure all relevant factors are considered.

S11. Ans.(d)

Sol. An astronaut is a person who is trained to travel in a spacecraft.

Let's explain the other options:

- Astrologer: An astrologer is someone who predicts future events based on the positions and movements of celestial bodies, like stars and planets.
- Maladroit: Maladroit refers to someone who is clumsy or awkward in their movements.
- Dexterous: Dexterous means skillful or agile with one's hands or body.

Hence, the correct word that means the same as given group of words is option (d).

S12. Ans.(b)

Sol. Ubiquitous means being present or found everywhere, widespread.

- Common refers to something that is frequently encountered, widespread, or generally occurring.
- Antonyms: Rare, Infrequent, Scarce.
- Synonyms: Pervasive, Omnipresent, Widespread, common.
- Meanings of the other given words:
- Scarce: Insufficient in quantity or availability, not abundant.
- Elusive: Difficult to find, catch, or achieve, often evasive or hard to pin down.
- Sporadic: Occurring irregularly or in scattered instances, not consistent or continuous.

S13. Ans.(b)

Sol. The word that should be filled in the blank is 'yet'.

- **Yet-** means up to the time of speaking. it is an adverb used to modify a verb.
- In this case 'yet' modifies 'applied' and is preceded by another adverb 'not'.
- **Hardly** is used to qualify a statement by saying that is true to an insignificant degree. Generally used with any, ever, at all or the verb 'can'.
- **Rather** means a little or slightly. Generally used before unfavorable adjectives or adverbs.

S14. Ans.(d)

Sol. The correct answer is option (d) 'Obituary'

- An "obituary" is a written notice or article in a newspaper that provides information about the death of a person.
- The other options (a) Orion, (b) Omen, and (c) Orbital are unrelated to the concept of a death notice and do not have the same meaning.

S15. Ans.(b)

Sol. The correct answer is option (b).

The word "although" is used to introduce a contrast or concession. In this case, the mountain trek was very difficult, although the breathtaking view made it all worth it. So, the answer is option (b).

The other options are not as appropriate.

- The word "but" is also used to introduce a contrast, but it is more forceful than "although." It would not be as appropriate in this sentence because the contrast is not as strong.

- The word "also" is used to add additional information. It would not be appropriate in this sentence because the breathtaking view is not additional information; it is the reason why the mountain trek was worth it.
- The word "thorough" means "careful and complete." It would not be appropriate in this sentence because it does not make sense to say that the mountain trek was thorough.

S16. Ans.(b)

Sol. The correct answer is "Canopy" because the passage describes the forest's overhead layer made up of leaves and branches. "Canopy" is the term that specifically refers to this layer in a forest, making it the most suitable word to fill the blank.

Meanings of all options:

- **Entropy:** Lack of order or predictability; gradual decline into disorder.
- **Canopy:** The overhead layer of leaves and branches in a forest.
- **Mud:** Soft, sticky matter resulting from the mixing of earth and water.
- **Fog:** A thick cloud of tiny water droplets suspended in the atmosphere.

S17. Ans.(c)

Sol. The correct answer is "Tradition." The passage mentions that the forest is a realm steeped in folklore, suggesting a longstanding cultural aspect. "Tradition" fits best as it refers to a long-standing custom or belief.

Meanings of all options:

- **Rendition:** A performance or interpretation, especially of a dramatic role or piece of music.
- **Coalition:** An alliance for combined action.
- **Tradition:** A long-standing custom or belief that has been passed on.
- **Trepidation:** A feeling of fear or anxiety about something that may happen.

S18. Ans.(a)

Sol. The correct answer is "Through." The word "cascade" indicates that the water is moving from a higher point to a lower point, thus flowing "through" the terrain.

Meanings of all options:

- **Through:** Moving in one side and out of the other side.
- **Although:** In spite of the fact that; even though.
- **Though:** However; nevertheless.
- **Outside:** External to; on or to the exterior of.

S19. Ans.(d)

Sol. The passage is talking about how the Black Forest is famous for its cultural contributions, such as cuckoo clocks and local food. "Renowned" means famous or well-known, which fits perfectly in this context.

Meanings of all options:

- **Crowned:** Adorn or cover with a crown.
- **Unbiased:** Showing no prejudice for or against something; impartial.
- **Frowned:** Contract the brows in displeasure or concentration.
- **Renowned:** Known or talked about by many people; famous.

S20. Ans.(b)

Sol. The correct answer is "**Tantalizes**." The passage states that the Black Forest offers an experience that "captures the imagination," suggesting it also teases or excites the taste buds, which is what "Tantalizes" implies. "Energizes" could work as well but doesn't offer the sense of enticement implied in the passage.

Meanings of all options:

- **Energizes:** Give vitality and enthusiasm to.
- **Tantalizes:** Torment or tease with the sight or promise of something unobtainable.
- **Camouflaged:** Hide or disguise the presence of.
- **Symbolizes:** Represent by means of symbols.

S21. Ans.(d)

Sol. Taciturn means reserved or inclined to silence, quiet in speech, not inclined to talk much.

- Reticent refers to being reserved or not revealing one's thoughts, feelings, or emotions readily. It's synonymous with "taciturn" in that both words describe someone who doesn't speak much.
- Antonyms: Loquacious, Talkative, Voluble, Gregarious
- Synonyms: Reticent, Reserved, Quiet
- Meanings of the other given words:
- Loquacious: Talkative, chatty, inclined to talk a lot.
- Voluble: Speaking fluently and readily, often with ease and speed.
- Gregarious: Fond of company, sociable, enjoying the company of others.

S22. Ans.(b)

Sol. The word which should be used to be filled in the blank is 'will'.

- We use 'will' to express beliefs about the present or future, to talk about what people want to do or are willing to do, to make promises, offers and requests.
- 'Will+be' is used in case of future continuous tense when the exact time of action is unknown.

S23. Ans.(c)

Sol. The sentence seems to be discussing someone's dedication and commitment as factors contributing to the success of a project.

- However, there is a grammatical error in the prepositional phrase "the main reasons in its success." The correct preposition to use here is "for" instead of "in."
- The corrected sentence would be: "His dedication and commitment to the project were the main reasons for its success."
- In this corrected sentence, the use of "for" establishes the correct relationship between the dedication and commitment and the success of the project. The preposition "for" is commonly used to indicate the cause or reason behind something, which is what the sentence intends to convey.

S24. Ans.(a)

Sol. Sycophant is a person who acts obsequiously toward someone important in order to gain advantage or favour, often through flattery or manipulation.

- Flatterer is someone who praises or compliments others excessively, often insincerely, with the intention of gaining favour or manipulating them.

- Among the given options, "flatterer" is the most appropriate synonym of the given word.
- Antonyms: Critic, Sceptic.
- Synonyms: Adulator, Yes-man, Fawner, flatterer.
- Meanings of other given words:
- Egalitarian: A belief in the principle of equality, especially in social, political, or economic life.
- Iconoclast: A person who attacks or criticizes cherished beliefs, traditions, or institutions.
- Altruist: A person who shows a selfless concern for the well-being of others; someone who practices altruism, which is the principle of unselfish concern for others' welfare.

S25. Ans.(b)

Sol. The word "Productivity" refers to the efficiency and effectiveness in producing goods or services.

Let's analyze the options:

- Temerity - This word means excessive confidence or boldness, which is not an antonym of productivity.
- Dullness - Dullness refers to a lack of excitement or interest which is the correct antonym for 'productivity'.
- Vicinity - Vicinity means the area near or around a particular place and is not an antonym of productivity.
- Fertility - Fertility relates to the ability to reproduce or produce offspring.

Hence, the most appropriate antonym for "Productivity" in this context is option (b).

S26. Ans.(d)

Sol. The correct spelling is "camouflage," not "camoflage."

- Camouflage refers to the use of any combination of materials, coloration, or illumination for concealment, disguise, or deception.
- Meanings of the other given words:
- Nauseous: Causing a feeling of sickness or disgust; often used to describe something that makes you feel queasy.
- Rapport: A harmonious and close relationship, especially characterized by mutual understanding and communication.
- Dearth: A scarcity or lack of something; an inadequate supply of something that is needed or desired.

S27. Ans.(a)

Sol. The word that should be filled in the blank is 'by'.

- 'By' is used because it denotes the cause or the agent of the action.
- In this case the agent is 'National Pharmaceutical Pricing Authority' which is the cause of the action that is 'regulate'.
- The sentence is also an example of Passive voice.

S28. Ans.(b)

Sol. In this sentence, the participial phrase "Having won the championship" provides additional information about the subject of the main clause, which is "the celebrations."

- The main verb "continued" is correctly used in the past tense to indicate that the celebrations (which were a result of winning the championship) persisted throughout the night.
- The error in the original sentence was the use of the present tense "continue" instead of the correct past tense

"continued." The past tense is needed to indicate that the action of "continuing" happened after the action of winning the championship.

- So, the corrected sentence reads: "Having won the championship, the celebrations continued throughout the night."

S29. Ans.(a)

Sol. Estrange – to turn away in feeling, to remove to a distance.

Synonym-**alienate**, alien, antagonize, divorce.

Antonym – agree, combine, come, connect.

Meanings of other words are as follows:

- **Trail**- a series of marks in a long line.
- **Overrule**- to rule against the arguments.
- **Interim**- an intervening time, belonging to a temporary period.

S30. Ans.(a)

Sol. The word "Efficient" refers to the ability to accomplish a task or achieve a goal with minimum waste of time, effort, or resources.

Let's analyze the options:

(a) Disorganized - This option means lacking organization or order, which is an appropriate antonym for "Efficient" as inefficiency often involves disorganization.

(b) Coherent - This word means logical, consistent, and orderly, which is not the opposite of "Efficient."

(c) Fleeting - This word means something that is brief or short-lived, and it is not an antonym of "Efficient."

(d) Orderly - This option means well-organized or neat, which is not the opposite of "Efficient."

Hence, the correct antonym for "Efficient" is option (a).

S31. Ans.(c)

Sol. To complete the sentence correctly, we need to choose a phrase that conveys the idea of not missing or taking advantage of the opportunity.

Let's analyze the options:

- step up - This phrase means to take action or responsibility in a challenging situation, but it doesn't fit the context of missing an opportunity.
- lie on - This phrase doesn't fit the context and doesn't convey the idea of taking or missing an opportunity.
- pass up - **This is the correct choice.** "Pass up" means to decline or not take advantage of an opportunity.
- jump in - This phrase means to get involved or participate in something actively.

Hence, the correct option to fill in the blank is option (c).

S32. Ans.(b)

Sol. The error is in segment (b) "were awarded for their."

- According to the subject verb agreement rule: In a sentence, the verb must agree in number (singular or plural) with the subject of the sentence. Singular subjects require singular verbs, and plural subjects require plural verbs.
- In the given sentence the subject is "The research team, consisting of scientists, engineers, and architects." This subject is a collective noun, which refers to a group of individuals acting together as a single unit. Even though the collective noun refers to multiple people (scientists,

engineers, and architects), it is treated as a single entity in this context.

- The correct verb form should be singular to match the singular collective noun "research team." Therefore, the verb "were" should be corrected to "was".

S33. Ans.(c)

Sol. Sanguine: Sanguine refers to being optimistic, positive, and hopeful, especially in difficult or uncertain situations.

- Optimistic: Optimistic means having a positive outlook on life, expecting favourable outcomes, and generally seeing the bright side of things.
- Thus, the most appropriate synonym of the word "Sanguine" is option (c) Optimistic.
- Antonyms: Melancholic, Pessimistic.
- Synonyms: **Optimistic**, positive, hopeful, confident, cheery.
- Meanings of the other given words:
- Melancholic: Feeling or expressing sadness, sorrow, or a gloomy disposition.
- Pessimistic: Having a negative or gloomy outlook on life, expecting unfavourable outcomes.
- Cynical: Distrustful of human sincerity or motives, believing people are motivated primarily by self-interest.

S34. Ans.(c)

Sol. Meticulous: Meticulous refers to being extremely careful, precise, and paying great attention to detail.

- Sloppy means lacking care, attention, or precision; characterized by a lack of neatness or thoroughness.
- Thus, the most appropriate antonym of the word "Meticulous" is option (c) Sloppy.
- Antonyms: Careless, sloppy, negligent.
- Synonyms: Careful, Diligent, Thorough.
- Meanings of the other given words:
- Careful: Exercising caution, being attentive to avoid mistakes or harm.
- Diligent: Showing steady and earnest effort, often involving perseverance and careful attention.
- Thorough: Complete and detailed in terms of coverage or attention.

S35. Ans.(a)

Sol. In this sentence, the coach is angry at his team's poor performance, and we need a phrase that describes how he expressed his anger during halftime.

Let's analyze the options:

- lay into - This phrase means to criticize or scold someone severely. It is the most appropriate option in this context because it conveys the coach's reaction to his team's poor performance.
- looked up - This phrase means to search for information or raise one's gaze. It doesn't fit the context of the sentence.
- made up - This phrase means to invent or create something, and it doesn't convey the coach's reaction to the team's performance either.
- ran into - This phrase means to unexpectedly encounter someone or something, which is not relevant to the coach's reaction to the team's performance.

Hence, the correct option to fill in the blank is option (a).

S36. Ans.(b)

Sol. The grammatical error in the sentence is in segment (b) "Karan will have participate in." The correct form should be "Karan will have participated in."

Here's the corrected sentence: "By the end of the month, Karan will have participated in five different workshops on leadership skills."

- The sentence is in the future perfect tense, which is used to indicate that an action will be completed before a certain point in the future.
- The future perfect tense is formed using "will have" followed by the past participle form of the verb. In the original sentence, "participate" is the base form of the verb, and it should be changed to its past participle form, which is "participated," to make the sentence grammatically correct.

Hence, the correct choice is option (b).

S37. Ans.(b)

Sol. Sagacious refers to having or showing keen mental discernment, practical wisdom, and good judgment.

- Perceptive: Perceptive means having a keen ability to understand and grasp things quickly, especially subtle details or nuances.
- Thus, the most appropriate synonym of the word "Sagacious" is option (b) Perceptive.
- Antonyms: Foolish, Naive, Incompetent.
- Synonyms: **Perceptive**, astute, insightful, shrewd, wise.

Meanings of the other given words:

- Foolish: Lacking good sense or judgment, unwise.
- Naive: Lacking experience, wisdom, or sophistication; innocent and simple.
- Incompetent: Lacking the necessary ability or skill, unable to perform effectively.

S38. Ans.(c)

Sol. Inept refers to lacking skill or ability, often resulting in clumsy or inefficient performance.

- Competent means having the necessary skill, ability, or knowledge to perform a task effectively.
- Thus, the most appropriate antonym of the word "Inept" is option (c) Competent.
- Antonyms: **Competent**, skilled, proficient, capable.
- Synonyms: Incompetent, Clumsy, Unskilled, Awkward

Meanings of the other given words:

- Awkward: Lacking skill or dexterity, often resulting in a lack of ease or grace.
- Clumsy: Lacking grace or skill in movement, often resulting in being awkward or uncoordinated.
- Beneficial: Producing good or advantageous effects.

S39. Ans.(c)

Sol. In the given sentence, the context is about a scientist conducting an experiment to test a new hypothesis. The word "innovative" means introducing new ideas, methods, or techniques, especially in a creative and original way. When applied to the experiment, it implies that the scientist conducted a new, creative, and original experiment to test the hypothesis.

- Let's break down the other options:
- Inept: This word means lacking skill or ability, which would not be appropriate for describing the scientist's experiment.

- Imperative: This word means necessary or of vital importance, but it doesn't convey the idea of creativity or novelty in the experiment.
- Insignificant: This word means unimportant or lacking significance, which doesn't fit the context of conducting an experiment to test a new hypothesis.
- Given the context of conducting a creative and original experiment to test a new hypothesis, the most suitable word to fill in the blank is "innovative."

S40. Ans.(a)

Sol. The error is in segment (a) "She didn't found."

- In this sentence, the main verb is "found," and it is used in the past tense.
- However, when negating a past tense verb, we use the auxiliary verb "did" along with the base form of the main verb, which is "find" in this case. The correct negative past tense form is "didn't find."
- Corrected sentence: "She didn't find her missing keys despite searching everywhere."

S41. Ans.(b)

Sol. The idiom "to be in hot water" means to be in a difficult or troublesome situation, often due to making a mistake or being involved in something questionable. It does not refer to physical temperature or enjoyment of warm weather.

Example: Lisa realized she was in hot water when her parents discovered she had borrowed the car without permission.

S42. Ans.(a)

Sol. Replace 'You will seldomly' with 'You will seldom' to make the sentence grammatically correct.

- '**Seldom**' is an adverb which are used to modify a verb, in this case 'see'.
- 'Seldomly' is nonstandard English and should be avoided. Since most adverbs end in -ly some people mistakenly add -ly to seldom which is wrong.

S43. Ans.(d)

Sol. Ebullient: Cheerful, enthusiastic, and full of energy.

- Sullen means showing irritation or ill humour by a gloomy silence or reserve.
- Thus, the most appropriate antonym of the given word "Ebullient" is option (d) Sullen.
- Antonyms and Synonyms of "Ebullient":
- Antonyms: **Sullen**, Gloomy, Depressed, Melancholy.
- Synonyms: Enthusiastic, Excited, Animated, Exuberant.

Meanings of the other given words:

- Ebullition: The act of bubbling or boiling; a sudden outburst of emotion or excitement.
- Munificent: Very generous in giving; characterized by great generosity.
- Esoteric: Intended for or likely to be understood by only a small number of people with a specialized knowledge or interest.

S44. Ans.(a)

Sol. "Abeyance" refers to a state of temporary inactivity or suspension. It's often used to describe a situation where something is not currently in effect or operation but is being held in reserve or temporarily set aside for future consideration or action.

- It implies that something is not completely abandoned but is on hold or paused for the time being.
- The other options:
- Quiescence - This term refers to a state of quietness or inactivity, often used to describe a state of calm or rest.
- Obfuscation - This word means the act of making something unclear, confusing, or difficult to understand.
- Proclivity - This term refers to a natural or habitual tendency or inclination towards a particular behaviour or activity.
- In the context of the given group of words, "Abeyance" is the word that best fits the meaning of "a state of temporary disuse or suspension."

S45. Ans.(c)

Sol. Fecund – producing or capable of producing an abundance of offspring.

Synonyms – fertile, highly fertile, productive.

Antonyms – **sterile**, infertile.

While meaning of other words are as follows:

- **Guile**- sly or cunning intelligence.
- **Bliss**- perfect happiness, great joy.
- **Obscure**- not discovered or known about, uncertain.

S46. Ans.(b)

Sol. The title reflects the overall theme of the passage, which discusses various scientific aspects of efficiency and productivity.

S47. Ans.(c)

Sol. The passage mentions, "Another intriguing line of study investigates the 'flow state,' a psychological state of complete immersion in a task."

S48. Ans.(c)

Sol. The passage states, "Neuroscientific studies have also brought attention to the role of the prefrontal cortex in efficient behavior."

S49. Ans.(c)

Sol. The passage mentions, "Time-tracking experiments reveal that more efficient people are better at prioritizing tasks and allocating time to high-impact activities..."

S50. Ans.(a)

Sol. The word "efficiency" in the answer choice is synonymous with "effectiveness" and is the central theme of the passage.

Effectiveness refers to the capability of achieving desired results efficiently.

Synonyms: **efficiency**, efficacy, and productivity.

Antonyms: ineffectiveness and inefficiency.

Meanings of all options:

- **Efficiency:** The ability to achieve maximum productivity with minimum wasted effort or resources.
- **Immersion:** Deep involvement or complete absorption in an activity or experience.
- **Overwhelm:** To be inundated or overcome by a large volume or intensity of something, often leading to stress or inability to cope.
- **Disconnection:** The state of being separated or detached from something, often referring to a lack of connection or communication.

General awareness

S1. Ans.(a)

S2. Ans.(c)

S3. Ans.(a)

S4. Ans.(b)

S5. Ans.(b)

S6. Ans.(b)

S7. Ans.(d)

S8. Ans.(a)

S9. Ans.(c)

S10. Ans.(c)

S11. Ans.(c)

S12. Ans.(b)

S13. Ans.(b)

S14. Ans.(b)

S15. Ans.(c)

S16. Ans.(a)

S17. Ans.(b)

S18. Ans.(d)

S19. Ans.(a)

S20. Ans.(c)

S21. Ans.(b)

S22. Ans.(d)

S23. Ans.(b)

S24. Ans.(b)

S25. Ans.(b)

S26. Ans.(c)

S27. Ans.(b)

S28. Ans.(b)

S29. Ans.(c)

S30. Ans.(a)

S31. Ans.(c)

S32. Ans.(d)

S33. Ans.(b)

S34. Ans.(d)