

NUMBER OF QUESTIONS: 60

TIME ALLOWED: 2:00

PART ONE: ENGLISH SECTION

I: Analogy Questions (1-6)

DIRECTION: TO ANSWER QUESTIONS 1-6, READ THE RELATED PAIR OF WORDS WRITTEN IN CAPITAL LETTERS FOLLOWED BY FOUR PAIRS OF WORDS. SELECT THE PAIR THAT BEST EXPRESSES A RELATIONSHIP SIMILAR TO THAT EXPRESSED IN THE ORIGINAL CAPITALIZED PAIR.

1. TEACHER: CLASSROOM:
A. Pilot: Airplane B. Chef: Kitchen C. Author: Book D. Lawyer: Court
2. FIRE: HEAT:
A. Sun: Light B. Ice: Cold C. Water: Wet D. Earthquake: Tremor
3. PHOTOGRAPHER: CAMERA:
A. Painter: Brush B. Musician: Instrument C. Writer: Pen D. Gardener: Spade
4. PARENT: CHILD:
A. Teacher: Student B. Doctor: Patient C. Mentor: Protégé D. Officer: Cadet
5. NIGHT: DAY:
A. Moon: Sun B. Sleep: Wake C. Darkness: Light D. Winter: Summer
6. VICTORY: WIN:
A. Defeat: Lose B. Gain: Lose C. Achievement: Fail D. Success: Fail

II: Synonyms Questions (7-11)

DIRECTION : FOR QUESTIONS 7-11, CHOOSE THE CHOICE THAT MOST NEARLY HAS THE SAME MEANING AS THE UNDERLINED WORD FROM THE GIVEN ALTERNATIVES.

7. The manager was **astute** in negotiating the contract.
A. Clever B. Foolish C. Honest D. Lazy
8. The **disheveled** room needed immediate cleaning.
A. Neat B. Messy C. Large D. Small
9. The athlete was **resilient** after the injury.
A. Fragile B. Strong C. Lazy D. Timid
10. The **elusive** concept was hard to grasp.
A. Simple B. Obvious C. Difficult D. Clear
11. She was **elated** by the good news.
A. Sad B. Angry C. Thrilled D. Confused

III: Antonyms Questions (12-16)

DIRECTION : QUESTIONS 12-16 CONSIST OF WORDS PRINTED IN CAPITAL LETTERS FOLLOWED BY FOUR WORDS. CHOOSE THE WORD THAT IS MOST NEARLY OPPOSITE IN MEANING TO THE WORD IN CAPITAL LETTERS.

12. OBSCURE
A. Clear B. Hidden C. Unknown D. Ambiguous
13. TRANQUIL
A. Peaceful B. Calm C. Noisy D. Quiet
14. AFFLUENT
A. Wealthy B. Poor C. Prosperous D. Rich
15. ENTHUSIASTIC
A. Eager B. Indifferent C. Passionate D. Zealous
16. CONSIDERATE
A. Thoughtful B. Kind C. Rude D. Caring

IV: Statement and Conclusion Questions (17-21)

DIRECTION : IN EACH QUESTION BELOW IS GIVEN A STATEMENT FOLLOWED BY TWO CONCLUSIONS NUMBERED I & II.

ASSUME EVERYTHING IN THE STATEMENT TO BE TRUE, THEN CONSIDER THE TWO CONCLUSIONS TOGETHER AND DECIDE WHICH OF THEM LOGICALLY FOLLOWS BEYOND A REASONABLE DOUBT FROM THE INFORMATION GIVEN IN THE STATEMENT.

- 17.** Statement: The Bank of England moved to auction 25 metric tons of gold which drew plenty of bidders looking for a bargain, but was criticized by major gold producers worldwide.

Conclusions:

I. The Bank of England should not auction gold to keep steady international prices.

II. Bidders should quote higher gold prices to retain the present value of gold.

A. Only conclusion I follows

C. Either I or II follows

B. Only conclusion II follows

D. Neither I nor II follows
- 18.** Statement: The use of non-conventional sources of energy will eliminate the energy crisis in the world.

Conclusions:

I. Modern technology is gradually replacing conventional sources of energy.

II. The excessive exploitation of the environment has led to the depletion of conventional sources of energy.

A. Only conclusion I follows

C. Either I or II follows

B. Only conclusion II follows

D. Neither I nor II follows
- 19.** Statement: The new company policy states that employees must not use social media during working hours to improve productivity.

Conclusions:

I. Some employees use social media during working hours.

II. Social media usage negatively impacts productivity.

A. Only conclusion I follows

C. Both I and II follow

B. Only conclusion II follows

D. Neither I nor II follows
- 20.** Statement: "If it does not rain tomorrow, we will go for a picnic," said Jane.

Conclusions:

I. Jane wants to go for a picnic.

II. Jane will not go for a picnic if it rains.

A. Only conclusion I follows

C. Both I and II follow

B. Only conclusion II follows

D. Neither I nor II follows
- 21.** Statement: Many graduates are unable to find jobs due to lack of relevant skills.

Conclusions:

I. Education system is not adequately preparing graduates.

II. Job market requires specific skills that graduates do not possess.

A. Only conclusion I follows

C. Both I and II follow

B. Only conclusion II follows

D. Neither I nor II follows

V: Completion Questions (22-26)

DIRECTION : CHOOSE THE BEST ANSWER THAT COMPLETES EACH ANALOGY BELOW (22-26).

22. ACCEPT: REJECT:

A. Arrive: Depart

B. Understand: Ignore

C. Love: Hate

D. Build: Destroy
23. ABUNDANCE: SCARCITY:

A. Plenty: Shortage

B. Wealth: Poverty

C. Happiness: Sadness

D. Strength: Weakness
24. LETHAL: DEADLY:

A. Happy: Joyful

B. Dangerous: Safe

C. Sad: Joyful

D. Bright: Dark
25. MOUNT: HORSE:

A. Drive: Car

B. Board: Train

C. Fly: Plane

D. Sail: Boat
26. REPAIR: FIX:

A. Clean: Dirty

B. Eat: Starve

C. Mend: Break

D. Build: Construct

VI: Analytical and Logical Reasoning Questions (27-31)

DIRECTION : ANSWER THE FOLLOWING QUESTIONS USING THE INFORMATION GIVEN (27-31).

27. If David finishes ahead of John, and John finishes before Mary, who finishes last?
A. David B. John C. Mary D. None of these
28. Which of the following statements are true?
A. All birds can fly. C. Penguins are birds that can swim.
B. Some birds can swim. D. All birds build nests.
29. Which of the following statements proves that "Helen and Michael are siblings"?
A. Helen and Michael live in the same house. C. Michael and Helen share a common family name.
B. Helen and Michael have the same parents. D. Helen and Michael are in the same grade at school.
30. If all roses are flowers and some flowers fade quickly, which of the following is true?
A. All roses fade quickly. C. No roses fade quickly.
B. Some roses fade quickly. D. All flowers fade quickly.
31. Which of the following statements prove that John is a doctor?
A. John went to medical school. C. John's parents are doctors.
B. John treats patients. D. John works at a hospital.

VII: Reading Passage Questions (32-35)

DIRECTION : READ THE FOLLOWING PASSAGE AND ANSWER THE QUESTIONS THAT FOLLOW (32-35).

Passage:

Elephants are the largest land animals on Earth, known for their intelligence, social behavior, and strong familial bonds. They communicate through a variety of sounds and vibrations. They are also known for their memory and problem-solving abilities.

32. According to the passage, what is a notable characteristic of elephants?
A. Speed B. Size C. Memory D. Color
33. How do elephants primarily communicate?
A. Through visual signals C. Through scent
B. Through sounds and vibrations D. Through touch
34. What is one aspect of elephant behavior mentioned in the passage?
A. Loneliness B. Aggression C. Intelligence D. Reproduction
35. What is the main idea of the passage?
A. Elephants are dangerous animals.
B. Elephants live in Africa and Asia.
C. Elephants have complex social behaviors and strong memories.
D. Elephants are the largest animals on Earth.

PART TWO: MATHEMATICS SECTION (QUANTITATIVE REASONING)

I: Quantitative Reasoning (36- 60)

DIRECTION : SOLVE EACH OF THE PROBLEMS GIVEN IN QUESTIONS 36-60 AND GIVE YOUR ANSWER BY BLACKENING THE LETTER OF YOUR CHOICE ON THE SEPARATE ANSWER SHEET PROVIDED.

36. Find the value of yy in the following sequence: 5,8,6,9,7,10,8,11, y , ... 5,8,6,9,7,10,8,11, y ,...
A. 12 B. 10 C. 9 D. 13
37. The ratio of present ages of Mather and son is 12:5. The mother age at a time of birth of the son was 21 years. Then find the present age of the mothers?
A. 15 B. 36 C. 51 D. 30
38. What is the sum of the first six prime numbers?
A. 41 B. 42 C. 58 D. 17
39. 12% of what number is 36?
A. 300 B. 240 C. 350 D. 400
40. If there are cc cats and dd dogs in a pet store, what is the ratio of the number of cats to the total number of pets?
A. $cc + dc + dc$ B. $c + dddc + d$ C. $dc + dc + dd$ D. $dccd$
41. If $z=w$, $5z=5w$ and $5z=35z=3$, then $w=w=$
A. 15 B. 3 C. 5 D. 10
42. Find the three consecutive odd positive integers whose sum is 75?
A. 15,30,30 B. 25,25,25 C. 23,25,27 D. 28,17,30
43. If the side of triangle are $3y-1$, $2y$ and $2y+3$ and its perimeter is 30 cm. then the value of y is
A. 7 B. 4 C. 30 D. 16

44. Out of 450 students of school 325 play football, 175 play cricket ball and 50 neither play football nor cricket ball. Then how many students play both football and cricket ball?
- A. 50 B. 75 C. 100 D. 225
45. The width of a rectangle is decreased by 40%. By what percent would the length have to be increased to maintain the same area?
- A. 40% B. 66.7% C. 100% D. 200%
46. A box contains 40 identical balls of which 10 are red and 12 are blue. If a ball is selected at the random from a box. What is the probability that neither red nor blue ball?
- A. $\frac{9}{20}$ B. $\frac{3}{10}$ C. $\frac{1}{4}$ D. $\frac{11}{20}$
47. The average of three numbers is K . If two of the numbers are A and B , what is the third number?
- A. $-A-B$ B. $3K-A-B$ C. $2K-A-B$ D. $K+A+B$
48. A square is inscribed in a circle of area 50 cm^2 . What is the length of the side of the square?
- A. 5 cm B. 7 cm C. 10 cm D. 14 cm
49. Which of the following fractions is the largest?
- A. $\frac{56}{65}$ B. $\frac{45}{54}$ C. $\frac{34}{43}$ D. $\frac{23}{32}$
50. In how many ways a committee consisting 3 men and 4 women can be formed from 6 men and 8 women ?
- A. 1400 B. 266 C. 5040 D. 140
51. What is the product of $(-3)(+3)(-3)(+3)$?
- A. 81 B. -6 C. 9 D. -9
52. What number should come next in the series: 680, 640, 600, 560, ...?
- A. 500 B. 540 C. 520 D. 480
53. Find the two number that their sum is 35 and their product is 276?
- A. 23 and 12 B. 26 and 9 C. 18 and 17 D. 22 and 13
54. Which of the following is the quadrant where the common solution of the equations $x+y=4$ and $x-y=2$ is found?
- A. II quadrant B. IV quadrant C. I quadrant D. III quadrant
55. What expression is equivalent to $y-4(2y-4)$?
- A. $y-8(2y-8)$ C. $y-2y+2y-2$
B. $y-4(2y-4)$ is $-7y+16$ D. $y+4(2y+4)$

DIRECTION: QUESTIONS (57-61) ARE BASED ON THE DATA GIVEN IN THE TABLE BELOW. ANSWER EACH OF THESE QUESTIONS BASED ON THE GIVEN DATA.

Year	Heavy	Light Commercial	Cars	Jeeps	Two-Wheelers	Total
2015	35	40	180	120	300	675
2016	50	60	200	140	320	770
2017	65	80	220	160	340	865
2018	80	100	250	200	360	990
2019	100	120	300	240	400	1160
Total	330	400	1150	860	1720	4460

56. In which of the following years was the number of light commercial vehicles sold 25% of the number of two-wheelers sold in the same year?
- A. 2015 B. 2016 C. 2018 D. 2019
57. If the same percentage increase in the number of Heavy vehicles as in 2019 over 2018 was expected in 2020 over 2019, approximately how many heavy vehicles were sold in 2020?
- A. 120 B. 125 C. 135 D. 140
58. Which one of the followings is the percentage of the number of heavy vehicles sold in 2018 to that of the total number of all vehicles sold in 2017?
- A. 9.2% B. 10.2% C. 8.3% D. 7.5%
59. In which of the following years was the percentage of the number of two-wheelers sold to the total number of vehicles sold during the same year highest?
- A. 2015 B. 2016 C. 2017 D. 2019
60. For which of the following categories of vehicles was the percentage increase in sales in 2017 over the previous year maximum? A. Jeeps B. Light Commercial C. Cars D. Two-Wheel

APTITUDE ANSWER KEY

I: Analogy Questions

1. B
2. B
3. A
4. C
5. C
6. A

II: Synonyms Questions

7. A
8. B
9. B
10. C
11. C

III: Antonyms Questions

12. A
13. C
14. B
15. B
16. C

IV: Statement and Conclusion Questions

17. B
18. B
19. C
20. A
21. C

V: Completion Questions

22. D
23. A
24. B
25. A
26. C

VI: Analytical and Logical Reasoning Questions

27. C
28. A
29. B
30. B
31. D

VII: Reading Passage Questions

32. C
33. B
34. C
35. C

I: Quantitative Reasoning

36. C
37. B
38. A
39. A

40. -
41. B
42. C
43. B
44. C
45. A
46. A
47. -
48. B
49. A
50. A
51. A
52. C
53. A
54. C
55. A
56. C
57. B
58. A
59. A
60. B

