

ARADA SUB CITY ADMINISTRATION EDUCATION OFFICE
2025/2017 FIRST SEMESTER SCHOLASTIC APTITUDE TEST (SAT)

MODEL EXAMINATION FOR GRADE 12

HOURS TIME ALLOWED: 2

GENERAL INSTRUCTIONS

THE TEST HAS TWO MAIN SECTIONS WITH A TOTAL OF 60 ITEMS. SECTION ONE CONTAINS VERBAL REASONING AND SECTION TWO CONTAINS QUANTITATIVE REASONING. VISUALLY IMPAIRED CANDIDATES ARE REQUIRED TO ATTEMPT VERBAL REASONING SECTION ONLY. ALL OTHER CANDIDATES ARE REQUIRED TO ATTEMPT BOTH SECTIONS.

EACH SECTION CONTAINS MULTIPLE CHOICE ITEMS CONSISTING OF FOUR POSSIBLE ANSWERS. IN EACH CASE, SELECT THE BEST ANSWER AND BLACKEN THE LETTER OF YOUR CHOICE ON THE SEPARATE ANSWER SHEET PROVIDED. FOLLOW THE INSTRUCTIONS ON THE ANSWER SHEET AND EXAMINATION PAPER CAREFULLY. USE ONLY PENCIL TO MARK YOUR ANSWERS. YOUR ANSWER MARK SHOULD BE HEAVY AND DARK, COVERING THE ANSWER SPACE COMPLETELY. PLEASE ERASE UNNECESSARY MARKS COMPLETELY INCLUDING ANSWERS YOU HAVE CHANGED FROM YOUR ANSWER SHEET.

VISUALLY IMPAIRED CANDIDATES ARE ALLOWED TO WORK FOR ONE HOUR ONLY. THE OTHER CANDIDATES ARE ALLOWED TO WORK THE EXAM FOR TWO HOURS. WHEN TIME IS CALLED, YOU MUST IMMEDIATELY STOP WORKING, PUT YOUR PENCIL DOWN AND WAIT FOR FURTHER INSTRUCTIONS.

ANY FORM OF CHEATING OR AN ATTEMPT TO CHEAT IN THE EXAMINATION WILL RESULT IN AN AUTOMATIC DISMISSAL FROM THE EXAMINATION HALL AND CANCELLATION OF YOUR SCORE.

PLEASE MAKE SURE THAT YOU HAVE WRITTEN ALL THE REQUIRED INFORMATION ON THE ANSWER SHEET BEFORE YOU START TO WORK ON THE EXAMINATION.

DO NOT TURN THIS PAGE OVER UNTIL YOU ARE TOLD TO DO SO.

TRY AND FAIL, BUT DON'T FAIL TO TRY!

JANUARY, 2017/2025

ARADA SUB CITY ADMINISTRATION EDUCATION OFFICE

SECTION ONE: (Verbal Reasoning Questions 1--35)

This section which is subdivided in to analogy , synonyms, antonyms , cause / effect, classification, analytical and logical reasoning, relationship between words or phrases , reading comprehension , and passage contains 35 verbal reasoning items altogether . Each subsection is followed by its specific direction.

ANALOGY (1--4)

Direction: To answer the items (1-- 4), read each of the following words carefully and choose the word that correctly completes the analogy. Then blacken the letter of your choice on the separate answer sheet provided.

1. FLOAT is to SINK as BOAT is to: _____

- (A) Ship. (B) War. (C) Submarine. (D) Missile.

2. DISMAY is to JOY as TEND is to: _____

- (A) Regret. (B) Ignore. (C) Negligible. (D) Spoil.

3. FUGITIVE: FLEE.

- (A) Parasite: foster. (B) Braggart: boast.
(C) Sage: Stifle. (D) Bystander: Procure.

4. DEFORESTATION: DROUGHT.

- (A) Fasting: Starvation. (B) Summer: Warm.
(C) Rehabilitation: Restoration. (D) Tourist: Map.

SYNONYMS (5 - 7)

Direction: Question (5 - 7) Consists of a word printed in Capital letters, followed by four words. Choose the word that is most **nearly similar in meaning** to the word in capital letters and blacken the letter of your choice on the separate answer sheet provided.

5. FOSTERING

- (A) Safeguarding. (B) Neglecting. (C) Ignoring. (D) Nurturing.

6. CEASE.

- (A) Begin. (B) Stop. (C) Create. (D) Dull.

7. PROPEL.

- (A) Drive. (B) Jettison. (C) Burst. (D) Modify.

ANTONYMS (8- 10)

Direction: Questions (8- 10) consists of a word printed in Capital letters, followed by four words. Choose the word that is most **nearly opposite in meaning** to the word in capital letters and blacken the letter of your choice on the separate answer sheet provided.

8. NAIVE

- (A) Ignorant. (B) Wise. (C) Immature. (D) Unaffected.

9. FRAUDULENT

- (A) Candid. (B) Forthright. (C) Genuine. (D) Direct.

10. FOREMOST

- (A) Hindmost. (B) Disposed. (C) Mature. (D) Unimportant.

CAUSE/ EFFECT (11- 12)

Direction: Two statements ' 1 ' and ' 2 ' and, ' X ' and ' Y ' are given. These statements may be either independent causes or may be effects of independent causes or a common cause.

One of these statements may be the effect of the other statements. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.

11. ' 1 ' The central Government has recently declared to finish the rebate on farming.

' 2 ' The central Government faced financial loss on account of giving rebate on farming for the last few years .

- (A) If statement ' 1 ' is the cause and statement ' 2 ' is its effect.
(B) If statement ' 2 ' is the cause and statement ' 1 ' is its effect.
(C) If both the statements ' 1 ' and ' 2 ' are effects of independent causes.
(D) If both the statements ' 1 ' and ' 2 ' are effects of some common cause.

12. Two statements 'X' and 'Y' are given. These statements may be either independent Causes or maybe effects of independent causes or a common cause. One of these statements may be the effect of the other statements. Read both the statements and decide which of the following choice correctly depicts the relationship between these two statements

'X' Rural and Semi - urban areas in the country have been suffering due to load shedding for quite some time.

'Y' if the Government is not able to overcome the power crisis, load shedding will be extended even to the urban areas.

(A) If statement 'X' is the cause and statement 'Y' is its effect.

(B) If statement 'Y' is the cause and statement 'X' is its effect.

(C) If both the statements 'X' and 'Y' are independent causes.

(D) If both the statements 'X' and 'Y' are effects of independent causes.

PARA JUMBLES (13 - 16)

13. Given below are the four sentences in jumbled order. Pick the option that gives their correct order.

P. When she was told that she was expected to walk on the pavement she said that since she is free she has the liberty to walk where she liked.

Q. But if she walked in the middle of the road cars and vehicles could move on the pavement. This would result in chaos.

R. Once an old lady was walking with a basket in hand in the middle of the street in Petrograd.

S. It caused great confusion for the traffic.

(A) RSPQ.

(B) QRSP.

(C) RPQS.

(D) PQRS.

14. In the following questions, there are six parts marked S1, S6, P, Q, R, and S.

The position of ' S1 ' and ' S6 ' are fixed. Some parts of the sentence have been jumbled up. Rearrange these parts and choose the proper sequence from the given options.

(S1) Angel reached Sand Bourne in search of Tess.

(p) She told him that Alec had given her to understand that Angel would never return.

(Q) When he finally met her, he was shocked to find.

(R) Tess admitted that she hated Alec because he had convinced her that Angel would never return.

(S) That she had, in the meantime, married Alec.

(S6) Angel left disappointed.

(A) RSPQ. (B) PRSQ. (C) QSPR. (D) QSRP.

15. Given below are four jumbled sentences. Out of the given options, pick the one that gives their correct order.

A. Judy reached out one hand and laid it on the soft neck of the fawn.

B. He moved forward on all fours until he was close to it.

C. He put his arms around its body.

D. The touch made him delirious.

(A) ADBC. (B) BACD. (C) BDAC. (D) ABDC.

16. Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

A. But the eagle, in wrath, gave the beetle a flap of his wing, and straightway seized up on the hare and devoured him.

B. The beetle, therefore, interceded with the eagle, begging of him not to kill the poor suppliant, and pleased with him not to kill so small an animal.

C. When the eagle flew away, the beetle flew after him, to learn where his nest was.

D. A hare, being pursued by an eagle, took himself for refuge to the nest of a beetle, whom he begged to save him. (A) ACDB. (B) DCAB. (C) CBAD. (D) DBAC.

PASSAGE: 1 (17- 19), Read the following passage carefully and answer the given questions accordingly

When we are suddenly confronted with any terrible danger, the change of nature we undergo is equally great. In some cases, fear paralyses us. Like animals, we stand still, powerless to move a step in fright or to lift a hand in defence of our lives , and sometimes we are seized with panic , and again , act more like the inferior animals than rational beings .

On the other hand, frequently in cases of sudden extreme peril, which cannot be escaped by fright, and must be instantly faced, even the most timid men at once as if by miracle, become possessed of the necessary courage, sharp quiet apprehension, and swift decision. This is a miracle very common in nature. Man and the inferior animals a like , when confronted with almost certain death ' gather resolution from despair ' but there can really be no trace of some debilitating a feeling in the person fighting , or Prepared to fight for dear life . At such times, the mind is clearer than it has ever been; the nerves are steel, there is nothing felt but a wonderful strength and daring. Looking back at certain perilous moments in my own life, I remember them with a kind of joy, not that there

Was any joyful excitement then; but because they brought me a new experience, a new nature, as it were and lifted me for a time above myself.

17. An appropriate title for the above passage would be:

- | | |
|---------------------------|--|
| (A) The change of nature. | (B) Courage and panic. |
| (C) The will to fight. | (D) The miracle of confronting danger. |

18. The author names three different ways in which a man may react to sudden danger. What are they?

- (A) He may be paralysed with fear, or seized with panic, or as if by miracle, become Possessed of the necessary courage, and face the danger.
- (B) He may be paralysed with fear, run away or fight.
- (C) He may flee in panic, fight back or stand still.
- (D) He may be paralysed with fear, seized with panic or act like an inferior animal. .

19. The distinction between ' inferior animals ' and ' rational beings ' is that:

- (A) The latter are stronger.
- (B) The latter are capable of reasoning things out whereas the former cannot do so.
- (C) The former are in capable of fighting.
- (D) The latter are clever.

PASSAGE: 2 (20- 22)

A duty is an obligation. It is something we owe to others as social beings when we live together. We must let others live with us. May right of living implies my duty to my fellowmen to allow them the same conditions of life? In fact, rights and duties are co-related. What is a right in regard to one is a duty in regard to others. Rights and duties are two sides of the same coin. We should always observe from the stand point of others. Thus they are duties. Moral duty is more effective than the legal. A moral duty is that which is upon the people on moral grounds. It is my moral duty to help the poor because of being a member of the society.

I must try to create these conditions which contribute to the welfare of humanity. Similarly, I owe a duty, to my parents to be obedient and respectful to them. This duty originates from the sense of responsibility which is directly related with our conscience. So this maxim is concerned with a moral duty which a man should owe without the legal bondage.

Sense of duty is paramount for the proper development of civilization in the 20th century. Hypocrisy and diplomacy are quite reverse to the sense of duty. Hypocrisy involves wickedness duty involves sincerity and faithfulness.

20. According to the author, the moral duty is:

- (A) Enjoined up on animals. (B) Helping the rich.
- (C) More effective than the legal duty. (D) Secondary to the legal duty.

21. Where does the duty originate from?

- (A) From responsibility but not from conscience.
- (B) From responsibility which is related with conscience.
- (C) From legal bondage.
- (D) From hypocrisy and diplomacy. .

22. Point out the incorrect statement?

- (A) Hypocrisy and diplomacy do not support the sense of duty.
- (B) Hypocrisy involves wickedness.
- (C) Duty involves sincerity.
- (D) Sense of duty is not important for the development of civilization.

READING COMPREHENSION

Direction: for item (23 - 28), there are texts (sentences, paragraphs, or short passages).

Each text is followed by questions based on its content. Read them correctly and answer all questions on the basis of what is stated or implied in the text and blacken the letter of your choice on the separate answer sheet provided.

23. Sam shivered as he passed from the bright sunlight in to the gloom of the alley on that brilliant January day. As he pulled his jacket collar closer to his neck, feeling miserable about his mission, the externally childish shouts from the end of the alley echoed familiarly. He could make out his parents' silhouettes , posed like old fashioned boxers , a head of him in the gloom , and wondered anew at how they could always make him feel like he was the forever big brother , the forever responsible party .

The paragraph could be entitled:

- (A) A cold January day.
- (B) The battered wife.
- (C) The child as parent.
- (D) Alleys.

24. The skies were gray so long that one doubted the stars were still there. Day after day, the steady rains beat down. Factories fell silent, bread lines lengthened, and deaths rose. All smiles seemed forced. The tone of the passage is:

- (A) Somber over events.
- (B) Happy that natural and man-made events are similar.
- (C) Puzzled.
- (D) Wonderment at nature.

25. The United States has given the free world the concept of "The American Dream , " and thousands from all over the earth immigrate to American to pursue it . If one works hard, educates one self and one's children, obeys the laws, and executes the responsibilities of a citizen, one can expect prosperity. One's children can only do better.

The main idea of this passage is that:

- (A) Less work reaps rewards all over the earth.
- (B)Only the children profit from their parents' efforts.
- (C) " The American Dream" is only a dream.
- (D) " The American Dream" promises earthly rewards for productive behaviors.

26. " If you give a man a fish, you feed him today. If you teach him how to fish, you feed him forever. "This sentence is the same as:

- (A) Give a man a fish to feed him.
- (B)Give a man a fish to feed him forever.
- (C) Teach a man how to fish to feed him forever.
- (D) Teach a man how to eat fish to feed him.

27. "As I left the peaceful sleeping village, the mist over the marshes was rising, to show me the great un known world I was entering..... "What does the writer want to say?

- (A)The village was
- (B) The village was unknown.
- (C) I was new for the village.
- (D) I was amazed by the mist.

28. "Though I understand all mysteries and all knowledge, and though I have all faith, so that I could remove mountains, but have not love, I am nothing; it profits me nothing."

This is to mean:

- (A) Love profits nothing.
- (B) Everything is nothing without love.
- (C) Knowledge is nothing.
- (D) Everything is nothing without knowledge.

RELATIONSHIP (29 - 33)

Direction : for questions (29 --33) there is a certain relationship between the two given words on one sides of : : from the given alternatives , choose one word that has the same relationship with this word as the words given in the pair and blacken the letter of your choice on the separate answer sheet provided .

29. PERSONS: MASSACRE:: BUILDINGS: _____.

- (A) Demolish. (B) Damage. (C) Ruin. (D)Collapse.

30. ARMY: LOGISTICS .

- (A) Soldier: student. (B) War: logic.
(C) Business: Strategy. (D) Team: Individual.

31. AFTER: BEFORE.

- (A) First: Second. (B) Successor: predecessor.
(C) Contemporary: Historic (D) Present: Past.

32. From the given pairs of words, select the one with the same meaning.

- (A) Enthral: Monotonous. (B) Succour: Burden.
(C) Desolate: Crammed. (D) Wise: Prudent.

33. From the given pairs of words, select the one with the same meaning.

- (A)Precious: Cherished. (B) Enthusiastic: Convoluted.
(C)Misery: Amusement. (D) Disregard: Heed.

Direction: In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

34. When we believe that our mind is thinking _____ thoughts at the same time, what actually is happening is that _____ thoughts are _____ in such quick _____ so as to seem simultaneous.

(A) Homogeneous, Measurable, Unchanging, Velocity.

(B) Challenging, Limited, Fixed, Interruption.

(C) Multiple, Myriad, Alternating, Succession.

(D) Uniform, Countable, Altering, Ramification.

35. If ' → ' denotes increasing order of intensity, then the meaning of the words {drizzle → rain → down pour} is analogous to {_____ → quarrel → feud}. Which one of the given option is appropriate to fill the blank?

(A) Bicker.

(B) Bog.

(C) Dither.

(D) Dodge.

SECTION TWO: Quantitative Reasoning (Question 36-60)

Direction: Solve each of the problems given in questions 36-52 and give your answer by blackening the letter of your choice on the separate answer sheet provided.

36. The circumference of a circle is $x\pi$ units, and the area of the circle is $y\pi$ square units. If $x=y$, then radius of the circle is: (A) 1 (B) 2 (C) 3π (D) 2π

37. What is the sum of all the factors of 28? (A) 56 (B) 55 (C) 28 (D) 68

38. If B is $\frac{5}{2}$ times of A, then A is what percentage of B?

(A) 40%

(B) 20%

(C) 60%

(D) 50%

39. The ratio of boys to girls in a certain classroom was 2:3. If boys represented five more than one-third of the class, how many students were in the classroom?

(A) 30

(B) 45

(C) 75

(D) 60

40. When $\sqrt{98} - \sqrt{50}$ is simplified it is equal to: (A) $4\sqrt{3}$ (B) $2\sqrt{2}$ (C) $4\sqrt{2}$ (D) $2\sqrt{3}$

41. If the area of a square side X is 5, then what is the area of square side 3X?

(A) 15

(B) 45

(C) 95

(D) 75

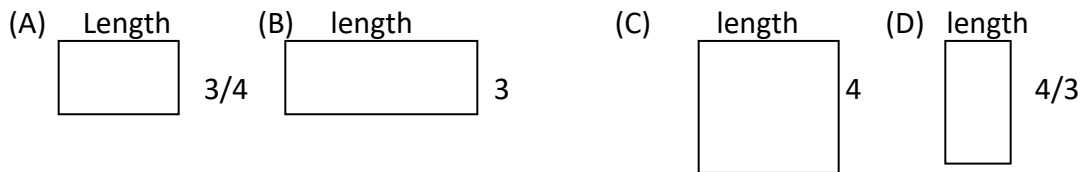
42. If p is directly proportional to q, and if q = 12 when p = 8, then what is the value of p when q=15? (A) 10 (B) 11 (C) 12 (D) 13

43. What number should come next in the sequence; 7, 10, 8, 11, 9, 12...?

(A) 13 (B) 10 (C) 12 (D) 7

44. If $a^2 = 17$, then $(a+1)(a-1) = ?$ (A) 15 (B) 12 (C) 16 (D) 9

45. Which of the rectangles below has a length of $\frac{4}{3}$, if each has an area of 4?



46. Find the value of X in the following sequence.

3, 12, X, 48, 75 ... (A) 15 (B) 21 (C) 36 (D) 27

47. A mother is 4 times as old as her child. In 8 years, the mother will be twice as old as

Her child. How old is the mother now? (A) 4 (B) 8 (C) 16 (D) 10

48. The angles of a triangle are in the ratio 8:3:4. What is the measure of the smallest angle?

(A) 12° (B) 24° (C) 36° (D) 72°

49. How many prime numbers are there between 1 and 20?

(A) 7 (B) 8 (C) 10 (D) 6

50. Which one of the following a term in the sequence 6, 14, 22...

(A) 278 (B) 258 (C) 246 (D) 264

51. If a letter selected from the word **probability**, what is the probability that the

Selected letters is a **vowels**? (A) $\frac{1}{11}$ (B) $\frac{3}{10}$ (C) $\frac{3}{11}$ (D) $\frac{4}{11}$

52. Team members can complete a job in 20 days but with the help of their team leader,

They can complete it in 15 days. In how many days can the team leader alone complete

the job? (A) 20 days (B) 60 days (C) 40 days (D) 80 days

Quantitative Comparison

Direction: Questions 53-56 consist of two quantities, one in column A and one in column B. Compare the two quantities and answer the questions by choosing the alternatives that best explains the relationship between “column A” and “column B”. Give the Answer letter of your choice on the separate answer sheet provided.

53. Compare the two quantities. $X > 1$

Quantity A

$$x(x^2)^4$$

Quantity B

$$(x^3)^3$$

- (A) Quantity A is greater than Quantity B.
- (B) Quantity B is greater than Quantity A.
- (C) Quantity A is equal to Quantity B.
- (D) The relationship cannot be determined based on the given information.

54. Compare the two quantities.

Quantity A

Area of circle with

Diameter 12cm

Quantity B

$$38\pi\text{cm}^2$$

- (A) The relationship cannot be determined based on the given information.
- (B) Quantity A is greater than Quantity B.
- (C) Quantity B is greater than Quantity A.
- (D) Quantity A is equal to Quantity B.

55. Suppose that $0 < X < 5$. Compare the following two quantities.

Quantity A

$$X^2$$

Quantity B

$$X^3$$

- (A) Quantity A is equal to Quantity B.
- (B) Quantity A is greater than Quantity B.
- (C) Quantity B is greater than Quantity A.
- (D) The relationship cannot be determined from the information.

56. Compare the two quantities.

Quantity A

$$\frac{13}{8}$$

Quantity B

$$\frac{5}{3}$$

- (A) Quantity B is greater than Quantity A.
- (B) Quantity B is less than Quantity A.
- (C) Quantity A is greater than Quantity B.
- (D) The relationship cannot be determined from the given information.

Data Interpretation.

Question 57-60 are based on the data in the table below shows the sales of books from six branches of a publishing company during two consecutive years 2000 and 2001. Sales of books from six Branches: B1, B2, B3, B4, B5 and B6 of a publishing company in 2000 and 2001.

Year	Branches					
	B1	B2	B3	B4	B5	B6
2000	80	75	95	85	75	70
2001	105	65	110	95	95	80

57. What is the ratio of the total sales of branch B2 for both years to the total sales of branch B4 for both years? (A) 2:3 (B) 3:5 (C) 4:5 (D) 7:9
58. A total sale of branches B1, B3 and B5 together for both the years is?
(A) 250 (B) 310 (C) 435 (D) 560
59. What is the average sale of all the branches for the year 2000?
(A) 73 (B) 80 (C) 83 (D) 88
60. A total sale of branch B6 for both the years is what percent of the total sale of branches B3 for both the years? (A) 68.5% (B) 71.11% (C) 73.17% (D) 75.55%