Q.1) If 'P' means '×', 'Q' means '÷' T means of and 'V' means +, then what will be the value of 85 Q 17 P 3 V 1 T 4 = ?

(1) 62 (2) 31
(3) 17 (4) 19
(5) None of these

Q.2) Early morning after sunrise, Rajesh was standing infront of his house in such a way that his shadow was falling exactly behind him. He starts walking straight and walks 5 metres. He turn o his ft and walks 3 metres and again turning to his left walks 2 metres. Now in which direction i he fro his starting point?

(1) South (2) West
(3) South-East (4) North-East
(5) South-West

Q.3) In a class of 39 students the ratio of boys and girls is 2 : 1. Radh ka ranks 5th among all the students from top and 8th among girls from bottom. How many boys are there elow Radh a?

(1) 16 (2) 17
(3) 15 (4) Data inadequate
(5) None of these

Q.4) In a certain code language AUTHORITY is wri en as Y UROHTI . How will DESIGNATE be written in that code language?

(1) ESENGATDI (2) ESEGNITAD
(3) ESENGITAD (4) ESNEIGTDA
(5) None of these

Directions (5-7) : Read the following letter-n mber sequence carefully and answer the question given below:
7 3 P N 4 2 6 3 1 M L B T 4 5 G A C D F J K 1 9 2

Q.5) If the first fifteen eleme s of the ab ve sequence is written in the reverse order which of the following elements will be six to the le of twelfth element from your right?

(1) J (2) 6
(3) 2 (4)
(5) None of these

Q.6) Four of th follow five are alike in a certain way and hence form a group. Which is the one that does not belong that group?

(1) GDK (2) 7N6
(3) B5C (4) AF9
(5) TGD

Q.7) If we interchange the first and the seventh elements, the second and the eighth elements and so on upto 2 and B from your left, which of the following will be twelfth to left of eighth element from your right?

(1) 6 (2) 7
(3) 2 (4) Data inadequate
(5) None of these

Q.8) If it is possible to make a meaningful word with second, the third, the sixth and the ninth letters of the

word PSYCHOMETRIC using each letter only once, what will be the first letter of the word can be formed. If more than one word can be formed mark M as your answer and if no such word can be formed mark X as your answer.

(1) X (2) M

(3) R (4) T

(5) S

Q.9) If 'M S N' means 'M is the father of N', 'M ≠ N' means 'M is the sister of N' and 'M * N' means 'M is the brother of N' then what is the relation of C with A in

A # B $ C * D?

(1) Niece (2) Nephew

(3) Aunt (4) Data inadequate

(5) None of these

Q.10) How many such pairs of letters are there in the word EXPRESSION which ha   as many letters between them in the word as in the alphabet?

(1) Four (2) Five

(3) Three (4) Two

(5) None of these

Directions (11-13) : Read the following information carefully   d answer   e que   ons given below:

(i) There are five buildings – A, B, C, D and E in a row facing owards Eas ut not necessarily in the same order. Five other buildings – P, Q, R and T a e in ano   er row f cing towards West. The buildings in each row are arranged infront of one ano   r.

(ii) B is at one of the end. There is only C bet   n B and   A is to the immediate left of D.

(iii) R is just opposite to C and is be   een   and Q S is to th immediate right of P.

Q.11) Which of the following pairs is   both the en s in any of the two rows?

(1) B and A (2) Q and S

(3) P and T (4) B and E

(5) None of these

Q.12) A is in front of which o   he follow   g buildings?

(1) S (2) P

(3) T (4) Q

(5) R

Q.13) Which o the foll wing buildings?

(1) S (2) R

(3) T (4) Data inadequ   e

(5) None of these

Q.14) "Some stones are rocks" and "Some rocks are clouds". If both the statements are true, then which of the following statements is DEFINITELY TRUE?

(1) Some clouds are stones

(2) All clouds are rocks

(3) No rock is stone

(4) All clouds are stones

(5) None of that

Q.15) It is given that M is either greater than or equal to P.

P is smaller than Q and Q is not greater than R.

Which of the following is DEFINITELY TRUE?

(1) M is either greater than or equal to R.

(2) M is either greater than or equal to Q.

(3) R is greater than P.

(4) R is either greater than or equal to P.

(5) None of these

Q.16) The students of a class are divided into two groups-A and B. If Sangita is includ   in   group A then

her rank is 7th from the top and if she in included in the group B, her rank is 13th fro   th   top. If   e students of both groups are brought together, what will be the rank of Sangi

(1) 20 (2) 19

(3) 21 (4) Data inadequate

(5) None of these

Q.17) In a certain code language "Jo re ka" means "sweet nice sug   " "la fi de   means "tasty sour lemon",

"fi ka tip" means "sugar and lemon" and "la re" means "nic   ty". Ho   will "sweet and sour" be

written in that code language?

(1) Data inadequate (2) jo re ka

(3) la re ka (4) la re tip

(5) None of these

Directions (18-20) : Read the following information car   lly and answer the questions given below:

Five flats – A, B, C, D, E. which ar   t equ distan   are a   nged in a semi-circle but not necessarily in the same order. The middle falt B faces to   ds North-E   t and is immediate right to D while C is to the immediate right of B.

Q.18) D faces which direction

(1) North (2) North-East

(3) East (4) West

(5) North-we

Q.19) Which of   e fo owing two flats are at both the ends?

(1) A and D (2) C a   D

(3) B and E (A and E

(5) Data inadequ   e

Q.20) What should   me in the place of question mark (?) in the following letter series?

ADG CFI ? QJM

(1) EGJ (2) EHK

(3) DFI (4) DCH

(5) None of these

Directions (21-23) : Read the following information carefully and answer the questions given below:

In order or organize a competition, 26 students were divided into four groups a, b, c and d.

A B C D E F G H I J K L M

c a b d c a c d b a b c d

N O P Q R S T U V W X Y Z

a d a c b d a b c a d d a

Q.21) If such groups are formed by selecting one students from each group, then how many such groups are possible?

(1) Seven (2) Six

(3) Four (4) Five

(5) None of these

Q.22) If one students from each group is selected for inter-school competition, then which of the following groups is possible?

(1) Seven (2) Six

(3) Four (4) Five

(5) None of these

Q.23) Four of the following fives are alike in certain way and hence form a group. Wh ch on of th following does not belong to that group?

(1) BHF (2) LDJ

(3) OKG (4) ZTY

(5) JEN

Directions (24-25) : What value should come in place of question mark (? in the fo wing questions?

Q.24) 52 × 87 – 5000 = ?

(1) 4000 (2) 4124

(3) 3924 (4) 4024

(5) None of these

Q.25) 2.56 ×(13)2 = ?

(1) 270.4 (2) 432.64

(3) 26.14 (4) 208.00

(5) None of these

ANSWERS

1. (3)

2. (4)

3. (2)

4. (3)

5. (2)

6. (4)

7. (2)

8. (4)

9. (2)

10. (1)

11. (4)

12. (1)

13. (5)

14. (5)

15. (3)

16. (4)

17. (5)

18. (3)

19. (4)
20. (2)
21. (4)
22. (4)
23. (1)
24. (2)
25. (5)

Reasoning (Mental Aptitude) Solved Sample Question Paper

41.

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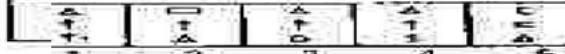
46.

47.

48.

49.

50.

Almost exams like Bank PO, Clerical, CDS, NDA, B. Ed., ETT comprise of questions from Reasoning (also known as Mental Ability or Aptitude). Here we provide a set of fifty Solved Sample Questions. The first forty Questions are from verbal reasoning and last ten from non-verbal reasoning.

1. In a certain code ROPE is written as $3%6 and RITE is written as $4#6. How is PORT written in that code?

(1) %4$#

(2) $3%#

(3) $64%

(4) %3$#

(5) None of these

2. How many such pairs of letters are there in the word KNIGHT, ea h of which has as many letters between them in the word as they have in the En ish phabet?

(1) None

(2) One

(3) Two

(4) Three

(5) More than three

3. Pointing to a photograph Nikita said 'She is the only rad daughter of my grandmother's daughter'. How is the girl in hotogr ph re ated to Nikita?

(1) Sister

(2) Niece/ daughter

(3) Aunt

(4) Cannot be determined

(5) None of these

4. Four of the following five a alike in certain way and so form a group. Which is the one that does not b g to he group?

(1) Pineapple

(2) Guava

(3) Grape

(4) Pa aya

(5) Pear

5. If the wo d STAB E all the consonants are replaced by the previous letter and all the vowels ar replaced by the next letter which letter will be third from the left end?

(1) S

(2) B

(3) A

(4) K

(5) None of these

6. In a certain code HOUSE is written as FTVPI, how is CHAIR written in that code?

(1) DIBJS

(2) SBJID

(3) SHBGD

(4) SJBID

(5) None of these

7. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to the group?

(1) FH

(2) KM

(3) PR

(4) CE

(5) JM

8. If ' P   Q' means 'P is wife of Q', 'P+Q' means 'P is father of Q and   Q means 'P is sister of Q' then in G H +R D, how is G related to D?

(1) Cannot be determined

(2) Mother

(3) Niece

(4) Aunt

(5) None of these

9. If the digits of the number 5726489 a e arr nged i   ascending order, how many digits will remain at the same position?

(1) None

(2) One

(3) Two

(4) Three

(5) More than three

10. Four of the followi g five ar   alike in a certain way and so form a group. Which is the one hat d es not   long to the group?

(1) 17

(2) 19

(3) 23

(4) 29

(5) 27

11. How many me ningful words can be made from the letters AEHT, using each letter only once?

(1) None

(2) One

(3) Two

(4) Three

(5) More than three

12. If '☐' means 'x', $ means '+', # means ' ' and '©' means '-' then what is the

value of

360 # 24$ 56« 5© 48?

(1) 253

(2) 242

(3) 247

(4) 285

(5) None of these

13. If blue means pink, pink means green, green means yellow, yell w m ans red and red means white then what is the colour of turmeric?

(1) green

(2) yellow

(3) red

(4) pink

(5) None of these

14. If it is possible to make a meaningful word from the second, the third, the tenth and the eleventh letters of the word PASSIO ATELY sing ach letter only once, second letter of that word is your answer. If no such word can be formed your answer is X and if more than one word an be formed your answer is Y.

(1) A

(2) E

(3) L

(4) X

(5) Y

15. In a row of children facing north Manish is fourth to the left of Suresh who is tenth from the left en Nisha i second to the right of Suresh and eighth from the right end f the ow. Tot ho many children are there in the row?

(1) 19

(2) 20

(3) 21

(4) 18

(5) None of these

Directions (16-20) In these questions symbols ©, #, «, $ and @ are used with different meanings as follows:

'**A © B' means 'A is smaller than B'**

'**A # B' means 'A is either smaller than or equal to B'**

'**A « B' means 'A is greater than B'**

'**A $ B' means 'A is either greater than or equal to B'**

'**A @ B' means 'A is neither smaller than nor greater than B'**

In each of the following questions assuming the given statements to be true, find

out which of the two conclusions I and II given below them is/ are definitely true

Give answer (1) if only conclusion I is true.

Give answer (2) if only conclusion II is true.

Give answer (3) if either conclusion I or conclusion II is true.

Give answer (4) if neither conclusion I nor conclusion II is true.

Give answer (5) if both conclusions I and II are true.

16. Statements: V#S, S©L, L©J

Conclusions: I. V © L

II. S © J

17. Statements: M#R, R©J, J#H

Conclusions: I. M #H

II. R © H

18. Statements: H$F, F@G, G«M

Conclusions: I. H «M

II. H «G

19. Statements: R©J, J «T,,T # L

Conclusions: I. R @ T

II. J @ l

20. Statements: W@T, T$K, K «F

Conclusions: I. W $ K

II. W @ K

Directions (21-25): In each qu stion bel w there are three statements followed by two conclusions numbe   and I You have to take the three given statements to be true even if they s em to be at variance from commonly known facts and then decide which of the gi en conc   sions logically follows from the three given statemen   disre arding   ommonly known facts. Then decide which of the answers (1), (2) (3), 4) a d (5) is the correct answer and indicate it on the answer sheet.

Give answer (1)   only conclusion I is follows.

Give answe (2) if nly conclusion II is follows

Give answer ( ) if either conclusion I or II follows.

Give answer (4) i neither I nor II is follows.

Give answer (5) if   oth I and II follow.

21. Statements:

Some pens are books.

All books are pencils.

All pencils are jars.

Conclusions:

I. All books are jars.

II. Some pens are pencils.

22. Statements:

Some bowls are spoons

Some spoons are forks

All forks are plates.

Conclusions:

I. Some bowls are forks.

II. Some spoons are plates.

23. Statements:

Some bottles are jars.

All jars are buckets.

All buckets are tanks.

Conclusions:

I. All jars are tanks.

II. Some buckets are tanks.

24. Statements:

Some phones are mobiles.

Some mobiles are computers.

Some computers are keys.

Conclusions:

I. Some phones are keys.

II. Some computes are pho es

25. Statements:

All papers are files.

Some files are folders

All folders are bags.

Conclusio s:

I. Some files re ags.

II. Some papers re folders.

Directions 26-30) Each of the questions below consists of a question and two statements numbered I and II are given below it. You have to decide whether the data provided in he statements are sufficient to answer the question. Read both the statements an

Give answer (1) if the data is Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.

Give answer (2) if the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.

Give answer (3) if the data in Statement I alone or in Statement II alone are

sufficient to answer the question.

Give answer (4) if the data in both the Statement I and II are not sufficient to answer the question.

Give answer (5) if the data in both the Statement I and II together are necessary to answer the question.

26. Lalita is in which direction with respect to Sangita?

I. Lalita is to the East of Prabha who is to the South of Sangita.

II. Vinita is to the North of Lalita who is to the East of Sangita.

27. What is the code for 'Play' in the code language?

I. In the code language 'play and dance' is written as 'ka to pe'

II. In the code language enjoy the dance' is written as 'pe j ra

28. How many children are there in the class?

I. Vandana's rank in the class is five ranks below Nan ini w o is twenty fifth from the bottom.

II. Nandini's rank is seventeenth from the top.

29. Who is tallest among Neeta, Sudha, Rad a, May   and   eeta?

I. Radha is shorter than Neeta and Sudha b t not sho   er than Maya and Geeta.

II. Neeta is not the tallest.

30. How many sons does Ramesh have

I. F is sister of H who is son of R   sh.

II. R is brother of H.

Directions (31-35): These que   ions are   ased on the following letter / number/ symbol arrangement . Study it c   efully and answer the questions that follow:

5 D G E « 7 9 $ F 1 6 R % L I A J 3 B   4 @ K P 8 U M 2

31. Four of the followi g five ar   alike in a certain way on the basis of their positions   the   bove ar   ng ment and so form a group. Which is the one that does not bel ng o the group?

(1) $9F

(2) R6%

(3) 8PU

(4) #B4

(5) 3BJ

32. If all the symbols are removed from the above arrangement which element will be third to the left of thirteenth from the left?

(1) L

(2) R

(3) 6

(4) I

(5) None of these

33. What will come in place of the question mark (?) in the following series based on the above arrangement?

EDH 9 « 7 I$F ?

(1) 6RI

(2) %R6

(3) R16

(4) %6R

(5) None of these

34. Which element will be fifth to the right of ninth from the right end i all the numbers are removed from the above arrangement?

(1) K

(2) @

(3) P

(4) #

(5) None of these

35. How many such numbers are there in th above rrangement each of which is immediately followed by a consonant but n immedi ely preceded by a vowel?

(1) None

(2) One

(3) Two

(4) Three

(5) More than three

Directions (36-40): The e questio s are based on the basis of following information. Study it arefully nd answer the questions.

Eight executives J K, L M, N, O P, and Q are sitting around a circular table for a meeting. J s sec nd to th ight of P who is third to the right of K. M is second to the lef of O ho it between P and J, L is not a neighbour of K or N.

36. Who is to th immediate left of L?

(1) Q

(2) O

(3) K

(4) N

(5) None of these

37. Who is to the immediate left of K?

(1) N

(2) J

(3) Q

(4) Cannot be determined

(5) None of these

38. Which of the following is the correct position of N?

(1) Second to the right of K

(2) To the immediate left of K

(3) To the immediate right of M

**(4) To the immediate right of K**

(5) None of these

39. Who is third to the right of P?

(1) L

(2) J

(3) Q

(4) N

(5) None of these

40. Which of the following groups of persons have th first erson sitting between the other two?

(1) PJO

(2) OPJ

(3) OPM

(4) MPO

(5) None of these

Directions (41-50): In eac of the qu stions given below which one of the five answer figures on the right s   uld com   after the problem figures on the left, if the sequence were continued?

41.

42.

43.
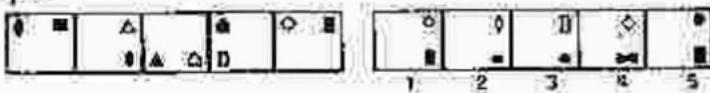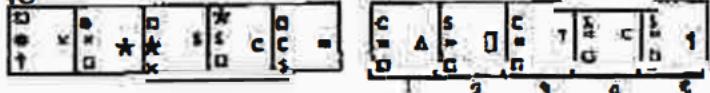
44.

45.

46.
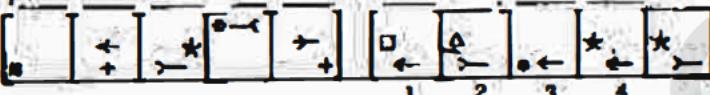
47.

48.

49.

50.

Answers for R asoning (Mental Aptitude) Solved Sample Question Paper:

1. (4), 2. (3), 3. ( ), 4. (3), 5. (2)

6. (4), 7. (5), 8. (2 9. (4), 10. (5)

11. (3), 12. (3), 13. (3), 14. (5), 15. (1)

16. (5), 17. (2), 18. (1), 19. (4), 20. (1)

21. (5), 22. (2), 23. (5), 24. (4), 25. (1)

26. (3), 27. (4), 28. (5), 29. (5), 30. (5)

31. (5), 32. (2), 33. (4), 34. (1), 35. (2)

36. (5), 37. (3), 38. (4), 39. (1), 40. (2)

41. (3), 42. (4), 43. (1), 44. (5), 45. (1)