

9. (a) CTS Test 9

Test Summary

- No. of Sections: 3
- No. of Questions: 75
- Total Duration: 75 min


Section 1 - Quantitative Aptitude

Section Summary

- No. of Questions: 25
- Duration: 25 min

Additional Instructions:

None

Q1.  A bag contains 4 strawberries and 8 grapes.what is the probability that both the fruits drawn from it are strawberries

1/3

1/11

3/11

1/6

Q2. Rahul purchased 7 DVDs each of which costs Rs.17. He gave a five hundred rupee note to the shopkeeper. The amount returned to him is divisible by:

3

7

9

11

Q3. A group of women can finish a piece of work in 50 days. In how many days will one-third the number of women be able to finish two-third of the work?

150

75

60

100



Q4. When the price of a pair of shoes is decreased by 10%, the number of pairs sold increased by 20%. What is the net effect on sales ?

- 8 % decrease
- 10% increase
- 10% decrease
- 8% increase

Q5. which of the following fraction is smallest?

- 63/80
- 31/40
- 13/16
- 7/8

Q6. The number 2594* is completely divisible by 6. The smallest value of * can be:

- 0
- 2
- 4
- 6

Q7. what is the probability of getting an odd sum of the scores in a throw of two dices?

- 1/3
- 1/2
- 2/5
- 2/3

Q8. four bells begin to to toll together and then each one of the intervals 6,7,8,9 respectively.the number of times they will be together in the next two hours is



14

15

13

11

Q9. The correct relationship after eliminating x , y and z from $x + y = a$, $y + z = b$, $z + x = c$ and $x + y + z = m$ is:

$m = x + y + z$

$2m = a + b + c$

$m = x + y + z$

$2m = x + y + z$

None

Q10. Length and breadth of a rectangle are directly proportional . If length increases from 6 cm to 21 cm and if breadth now is 14 cm, then what was the breadth before any change in length occurred?

4

15

2

6

Q11. Three successive discounts of 6%, 10%, 15% are equal to a single discount of

25%

30%

28.09%

40%

Q12. Ronald and Elan are working on an assignment. Ronald takes 6 hours to type 32 pages on a computer, while Elan takes 5 hours to type 40 pages. How much time will they take, working together on two different computers to type an assignment of 110 pages?



7 hours 30 minutes

8 hours

8 hours 15 minutes

8 hours 25 minutes

Q13. if $a=2$ and $b^2-ab=1$ then wat is the value of $\log(a+b)(a^3+b^3)$

1

-1

2

-2

Q14. the letters of word ARRANGE are arranged such that two R's are never together.the possible number of ways of doing so is

900

600

150

800

Q15. $(15*25*100*30*10*42*4*14)$ will end with how many zeros?

7

8

5

4

Q16. $0.00001+0.000001+0.00010+0.00100=$

0.0001111

0.00111

0.001111

0.0010111

- Q17. Choose the correct answer.
The difference in the simple interest and compound interest on a principle of Rs.10,000 in 3 years at 4% per anum is:

Rs.4,000

Rs.5,000

Rs.4,864

Rs.4,500

- Q18. what is the value of $25^{1.5}$?

325

12.5

32.5

125

- Q19. Choose the correct answer. Given that $\log_4 X = \frac{2}{6}$, What is the value of X? a)2 b)4 c)6 d)8

2

4

6

8

- Q20. $(X^n - 27)$ is divisible by $(X-3)$, when n is equal to ?

1

2

3

4

Q21. Choose the correct answer.
A number X when divided by 13 leaves the remainder 12, What is the remainder when we divide X^{13} by 13?

12

0

1

10

4

Q22. Choose the correct answer.
A,B,C,D and E play the following game. Each person picks one card from cards numbered 1 through 10. The person who picks the greatest numbered card loses and is out of the game. Now the remaining four return their cards to the pack and draw again, and again the person with the greatest numbered card loses. This process is repeated till only one person is left in the game who is declared as the winner. What is the probability that A is the winner?

3/14

4/17

1/5

5/24

Q23. Choose the correct answer.
Product of two odd numbers is:

Always odd

Always even

Sometimes odd and sometimes even

Divisible by 6

Q24. Choose the correct answer.
If a ball is drawn at random from a box containing 6 red, 4 blue and 5 white balls. What is the probability that the ball drawn is red or blue?

1/3

2/3



7/15

2/5

Q25. The decimal fraction 0.75 in the binary system equals

0.00

.101

.19

.11

Section 2 - Reasoning Ability

Section Summary

- No. of Questions: 25
- Duration: 25 min

Additional Instructions:

None

Q1. Aakriti went to her mothers brothers wifes daughters paternal grandmothers only son in laws nephews house,whose house did Aakriti go to?

Son

Brother

Sister

Cousin

Q2. From the given choice the odd one out

AD5

BC9

HA9

DB6

Q3. Problem question:
I have four friends .What is my age?
Statement:
I. Average of our ages in 85 years



II. All of us are of the same age

Statement 1 alone is sufficient

Statement 2 alone is sufficient

Both statement put together are sufficient

Both statement even put together are not sufficient

Either of the statement is sufficient

Q4. ARRANGE THE WORDS IN ORDER: 1.earn 2.shopping 3.boy 4.money 5.job

3,1,5,4,2

3,4,5,1,2

3,5,1,4,2

2,3,5,1,4

Q5. If WORD is coded as 9753,than DOOR is coded as

3579

3559

9357

3775

Q6. Read the passage and answer the question based on the information given
i)A,B,C,D and E are five friends in a class.They have their birthday dates from jan to may.Each friends are born in one of these months ii)Each one likes one particular item for his/her birthday out of rice,mutton,chicken,burger and pizza iii) The one who likes pizza is born on March iv)C does not likes pizza but brings rice for D in April v) E who is fond of burger,is born in the next month immediately after B vi) B does not like burgers or mutton Which of the following is true for B?

Chicken,January

Chicken, February

Pizza,January

Pizza,february

Q7. Choose the answer option that arranges the give set of words in the **most** meaningf to size,quality, quantity occurrence of eve values appearance nature process etc? 1.Tajmahal 2.India 3.Asia 4.Agra 5.Uttar Pradesh

- 1,5,4,2,3
- 1,4,2,5,3
- 3,2,4,5,1
- 3,2,5,4,1

Q8. Problem question : what is the monthly salary of my father ?
Statements:
I. My father's and mother's salary are in the ratio 5:2 respectively II. My mother 's salary is 40 % of that of my father salary

- Statement 1 alone is sufficient
- Statement 2 alone is sufficient
- Both statement put together are sufficient
- Both statement EVEN put together are not sufficient

Q9. **I am facing South. I turn right and walk 20 metre. Then I turn right again and walk 10 metre. Then I turn left and walk 10 metre and then turning right walk 20 metre. Then I turn right again and walk 60 metre. In which direction am I from the starting point ?**

- South-east
- South-west
- North-East
- North-west

Q10. choose the answer option that arranges the give set of words in the **most** meaningful to size,quality, quantity occurrence of even , values appearance nature process etc? 1.Counter 2.Enjoy 3.Ticket 4.Money 5.Travel

- 1,3,4,2,5
- 3,1,4,5,2
- 1,4,3,5,2



3,1,4,2,5

Q11. A baby crawls 8 feet towards west and then 8 feet towards north .It then moves 14 feet towards east .How far and in which direction is the baby from Starting point?

8 feet towards east

10 feet towards north-east

6 feet towards east

10 feet towards south-east

Q12. From the given choice select the odd one out

DFE

PRQ

MPN

SUT

Q13. From the given choice select the odd one out

AYW

LMP

SQO

IGE

Q14. Introducing a man, Woman said "He is the only one son of the mother of my mother." How is woman related to man?

Sister

Mother-in-law

Daughter

Niece

Q15. problem question what Mohit's birthday?
Statements:



- 1.he was born after 19 th but before 25 th september
- 2.he was born in a leap year.

Statement 1 alone is sufficient in answering the problem question

Statement 2 alone is sufficient in answering the problem question

Both statement put together are sufficient in answering the problem question

Both statement even put together are not sufficient in answering the problem question

Q16. Based on the given passage find out which of the statement can be interred from the message With new seasons of reality shows being telecast every month,the viewership of these show has increased.Viewership and participation in reality TV show is monthly induced by the two common motivators fame and money.the show transform common people who are otherwise obscure figure to household names.A few successfully maneuver their small stint with fame to become celebrities. Winner of Reality shows reap huge financial rewards for acts including eating large insects,marrying someone they barely know, and revealing their inner most thought to millions of people

Reality shows owe their popularity to the fact that all their participants become rich and famous

There are more reality shows on TV than regular shows as viewership of reality shows is higher

The participation money in reality shows is linked to the bizarreness of the acts on the show

Reality TV is one of the best things that has happened to television network in a long time

The main attraction behind viewership of reality shows is to see unknown people become and famous

Q17. Based on the given passage find out which of the statement can be interred from the message, From Chennai to Himachal Pradesh, the new cultural vultures are tearing down acres of india's architectural treasures.Ancestral owner are often fobbed off with a few hundred rupees for for an exquisitely carved door or window,which fetches fifty times that much from foreign dealers and not yet more not wrongly be attributes to the unfortunate blend of activist disunity and the local indifference

India provides a rich market for unscrupulous antique dealers

Most indian families have heirlooms which can be sold at high prices to Europeans and Americans

Only Indians are not proud of their culture heritage and are hungry for foreign currency that is easily available in return of artifacts

The environment created by thre activist disunity and local indifference is the reason for antique dealers to strives in india

Q18. Ajith is standing on point A facing west .She walks straight for 15 meters and then takes a right turn and walks 8 meters to reach point B.What is the smallest distance between the two points and in which direction of point A does point lie?



25 meters,west

8 meters,North-west

17 meters,North west

17 meters,North east

Q19. Read the passage and answer the question based on the information given
i)A,B,C,D and E are five friends in a class.They have their birthday dates from jan to may.Each friends are born in one of these months ii)Each one likes one particular item for his/her birthday out of rice,mutton,chicken,burger and pizza iii) The one who likes pizza is born on March iv)C does not likes pizza but brings rice for D in April v) E who is fond of burger,is born in the next month immediately after B vi) B does not like burgers or mutton
Which is the choice of A?

Burger

Pizza

Chicken

Rice

Q20. Problem question: What is the selling price of the sofa set
Statements:
1) The cost price of the sofa set is given 2) The selling price of the two sofa sets are given

Statement 1 alone is sufficient to answering the problem question

Statement 2 alone is sufficient to answering the problem question

both the statement are put together are sufficient in answering the problem question

Both the statements are even put together are not sufficient in answering the problem question

Either of the statement are put together in answering the problem question

Q21. Choose the answer option that arranges the given set of words is the 'most' meaningful order.the word when put in logical order should make logical sense according in size,quality,quantity,occurrence of events,value,appearance,nature,process etc. 1.Judgment 2.Arrest 3.Police 4.Crime 5.Complaint 6.Court Hearing

4,5,3,2,6,1

4,3,2,5,6,1

5,4,3,2,6,1



4,3,5,6,2,1

Q22. Problem question: in a code cit pit means get ready what is the code for ready Statements: cit lit pit means make it ready fit cit means ready made?

Statement 1 alone is sufficient in answering the problem question

Statement 2 alone is sufficient in answering the problem question

Both statement put together are sufficient in answering the problem question

Both statement even put together are not sufficient in answering the problem question

Ether of the statement taken individually is sufficient in answering the problem question

Q23. Suneeta moves a distance of 9m towards east she then moves towards south and travels at a distance of 4m.from here she moves a distance of 6m towards west.how far is the starting point from her final position?

3

4

5

7

Q24. 14,23,39,64,....

100

125

128

148

Q25. A water pump takes 6 hrs to fill an over head tank.standby pumps takes 10hrs to fill the same over head tank.if the first pump fails after 2hrs of running then how long will the standby pump take to fill the over head tank?

6hrs

8 2/3 hrs

8 hrs



Section 3 - Verbal Ability

Section Summary

- No. of Questions: 25
- Duration: 25 min

Additional Instructions:

None

Q1.

Sentence Completion :

It was a see-saw battle but Manpreet ahead in the third round for the win.

flowed

ebbed

perched

surged

receded

Q2.

S1: Today in the morning, I did not feel like having breakfast.

P: By the time I reached office, my head was spinning

Q: I ate only one apple and left for my work

R: The doctor prescribed me a few medicines, and told me to have a nutritious meal

S: I was rushed to see the doctor, as I had fainted on my desk.

S6: Finally, I ended up having a huge supper before going to bed.

RSPQ

SPQR

QPSR

QSRP

Q3.

S1: My daughter was born in the year 2005

P: She was a quick learner from the beginning

Q: She could recite poems at two years of age.

R: We put her in kindergarten when she was two and a half years old.

S: She started walking when she was eleven months old

S6: She was one of the brightest kids in her whole class.

RQSP

SQPR



QSRP

PSQR

Q4. S1: Soumitra lost his wallet today in the market
P: He had all his cards and money in the wallet
R: He is more worried about the credit cards than the money
S: The best thing would be to call the bank and block all his cards
Q: This surely would avoid any kind of credit card forgery
S6: Apart from calling the bank, he should also launch an FIR.

RSQP

PRSQ

QPRS

SQPR

Q5. Sentence formation :
A. nor Raj B. is going C. to attend the class D. neither Rahul

DBCA

ABCD

DABC

ADBC

CDAB

Q6. Sentence Completion :
The protracted illness has reduced him _____ skeleton.

till

round

through

to

from

Q7. Spotting error : (A) The kid stopped crying (B) as soon as his mother (C) bringed chocolates for him.



A

B

C

No error

Q8. Sentence Completion : Films are becoming a medium of cultural contacts, good relations and _____ among different countries.

wars

love

harmony

conformity

Q9. Spotting error: (A) I was so surprised that B) I told me I was imagining things, c) but later others confirmed that they too had seen the same sight

A

B

C

No error

Q10. Sentence completion :
Do not move towards the car _____ you've finished your milk.

as

while

until

inspite

Q11. Sentence Completion :
I always wanted a basket ball and _____ I-Pod in my collection.

the



a

an

None of these

Q12. Sentence Completion :
The institute reserves the right to make any change in the items _____ in the itinerary.

contains

contained

contain

includes

Q13. His recent success _____ him more arrogant than what he used to be

make

have make him

has made

was making

Q14. The simple absence of grief and indignation at our national tragedy can be termed as _____ of moral responsibility.

acceptance

concurrence

credence

abdication

Q15. He _____ his chances at the university interview by wearing a pair of jeans and t-shirt.

lowered

improved

jeopardized

enhanced

Q16. Sentence Completion :
Astronauts have completed a major mission in space. It was _____ a replacement of the fuel tank in one of the space stations.

concerns

concern

concerning

concerned

Q17. The opinions _____ by various individuals regarding the problems faced by them helped the government in formulating changes.

expresses

expressed

expression

expressive

Q18. Sentence Completion :
Usually the room tariff in this hotel is higher. At present, it is low because of the _____ season.

peak

off

down

slow

full

Q19. Paragraph formation
A. A study to this effect suggests that the average white- collar worker demonstrates only about 25% listening efficiency.
B. However, for trained and good listeners it is not unusual to use all the three approaches during a setting, thus improving listening efficiency.
C. There are three approaches to listening: listening for comprehension, listening for empathy and listening for evaluation.
D. Although we spend nearly half of each communication interaction listening, we do not listen well.
E. Each approach has a particular emphasis that may help us to receive and process information in different settings.



23451

35241

43215

Q20. Sentence completion :
The climate _____ hotter day by day because of global warming.

was getting

were getting

is getting

was gotten

Q21. Sentence Completion :
My computer needs upgradation since it _____ a very old version.

is

was

were

must

Q22. Sentence completion: She _____ at a shop.

works

work

working

be working

Q23. Sentence improvement: Contrary to my belief, he turned out to be **peevish**.

proud

irritable

selfish

greedy

Q24. Sentence Completion :
Rakesh had bought the book for me. I _____ him Rs.500.

owe

lend

give

borrow

Q25. Bifid (synonym)

Divided

Divided into two

Timid

None



Answer Key & Solution

Section 1 - Quantitative Aptitude

Q1 1/11

Solution

Q2 3

Solution

-

Q3 100

Solution

-

Q4 8% increase

Solution

let cp be 100, when price decreased by 10% then sp=90. now sales increased by 20%, ie, 90+20%of90=108.

Q5 31/40

Solution

Q6 4

Solution

-

Q7 1/2

Solution

Q814

Solution

Q9 $2m = a + b + c$

Solution

-

Q104

Solution

-

Q1128.09%

Solution

-

Q128 hours 15 minutes

Solution

No Solution

Q131

Solution

Q14900

Solution

Q15 7

Solution

Multiply all unit digits $5 \times 5 \times 2 \times 4 \times 4$ = will end up wit 2 zero..already five so totally 7

Q16 0.001111

Solution

Q17 Rs.4,864

Solution

$SI = 12000(PNR/100)$ $CI = 1124864(P(1+R/100))$ $SI - CI = 1004864$ $1004864 - 1000000 = 4864$

Q18 125

Solution

Q19 4

Solution

$x = 64^{(2/6)} = 4$

Q20 4

Solution

Q21 12

Solution

13+12=25 25%13=12 (25^13)%13=4

Q22 1/5

Solution

Probability of A picking the highest number=1-1/5=4/5 now the probability of A winning =4/5 * 3/4 * 2/3 * 1/2 =1/5

Q23 Always odd

Solution

product of two odd number is always odd

Q24 2/3

Solution

total ball is 6+4+5=15 Red or blue = (6c1 + 4c1) / 15c1 10/15=2/3

Q25 .11

Solution

only orange candies are there in bag therefore only 1 probability is there

Section 2 - Reasoning Ability

Q1 Cousin

Solution

-

Q2 BC9

Solution



Q3 Both statement put together are sufficient

Solution

NIL

Q4 3,5,1,4,2

Solution

-

Q5 3775

Solution

Q6 Chicken,January

Solution

Q7 3,2,5,4,1

Solution

Q8 Both statement EVEN put together are not sufficient

Solution

NIL

Q9 North-East

	Solution
	NIL
Q10	3,1,4,5,2
	Solution
Q11	10 feet towards north-east
	Solution
	NIL
Q12	MPN
	Solution
Q13	LMP
	Solution
Q14	Niece
	Solution
Q15	Both statement even put together are not sufficient in answering the problem question
	Solution

Q16 The main attraction behind viewership of reality shows is to see unknown people become and famous

Solution

Q17 The environment created by thre activist disunity and local indifference is the reason for antique dealers to strives in india

Solution

Q18 17 meters,North west

Solution

Q19 Pizza

Solution

Q20 Both the statements are even put together are not sufficient in answering the problem question

Solution

Q21 4,5,3,2,6,1

Solution

Q22 Both statement put together are sufficient in answering the problem question

Solution



Q23

5

Solution

Q24

100

Solution

Q25

6 2/3 hrs

Solution

2(1/6)=1/3 2/3/1/10=20/3

Section 3 - Verbal Ability

Q1

surged

Solution

Nil

Q2

QPSR

Solution

Q3

RQSP

Solution

Q4

PRSQ

Solution



Q5

DABC

Solution

Q6

Solution

Nil

Q7

Solution

Q8

harmony

Solution

Nil

Q9

B

Solution

Q10

until

Solution

Nil

Q11

an

Solution



Q11 Nil

Q12 contained

Solution

Nil

Q13 has made

Solution

Q14 abdication

Solution

Q15 jeopardized

Solution

Q16 concerning

Solution

Nil

Q17 expressed

Solution

Q18 off

Solution

Nil

Q19

43215

Solution

Q20

is getting

Solution

Nil

Q21

is

Solution

Nil

Q22

works

Solution

Q23

irritable

Solution

Q24

owe

Solution

Nil



Q25 Divided

Solution

Meaning of BIFID is Divided

