

3. (a) CTS Test 3

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. The price of rice increases by 30%, then by what % should its consumption be decreased so that the total expenditure remains same.



|        |
|--------|
| 76.92% |
| 23.07% |
| 30%    |
| 25%    |
| 85%    |

Q2. 5 paramedics and 4 technicians are registered for a rescue team. how many possible combinations one can choose to make a rescue team of a paramedic and a technician.

|    |
|----|
| 9  |
| 40 |
| 20 |
| 18 |

Q3. If the LCM and HCF of 2 numbers are 78 and 13 respectively, the product of 2 numbers can be expressed as

|           |
|-----------|
| 2*3*13*11 |
| 2*3*13*12 |
| 2*3*13*13 |



2\*3\*13\*14

Q4. A number was divided by 8,7,6,5, successively and gave the remainder 1,2,3,4. The number is

3208

3209

3210

3334

Q5. The largest number amongst the following that will perfectly divide  $101^{100}-1$  is:

100

10,000

$100^{100}$

100,000

Q6. A number is to be multiplied by the fraction  $\frac{4}{5}$ . But Samir, by mistake, multiplied it by  $\frac{5}{4}$  and obtained the number 81 more than the correct one. What was the original number

200

120

180

240

Q7. X and Y are 2 number which when divided by 6 leaves a remainder of 4 and 5 respectively. What will be the remainder when  $Y+X$  is divided by 6?

a.6

b.9

c.1

d. None of these

Q8.



Malini solved the following question in her Mathematics Examination  $(\frac{6}{4} + 5\frac{1}{6} \text{ of } \frac{3}{7}) / (5 + 2\frac{1}{3})$  and her answer was  $\frac{38}{77}$ . By how much was her answer wrong?

- a.1
- b. $\frac{1}{77}$
- c.2
- d. $\frac{2}{77}$
- e. $\frac{39}{77}$

Q9. 4522 is not divisible by

- 7
- 17
- 19
- 21

Q10. A car is 250 metres behind the bus. The car and bus are moving with the speed of 60 kmph and 35 kmph respectively. The car will be ahead of bus by 250 metres in:

- 37 seconds
- 48 seconds
- 72 seconds
- 68 seconds

Q11. Write  $\frac{528}{7}$  as a mixed fraction.

- $75\frac{2}{7}$
- $75\frac{3}{7}$
- $74\frac{3}{7}$
- $70\frac{2}{7}$

Q12. The reciprocal of H.C.F and LCM of two number are  $\frac{1}{12}$  and  $\frac{1}{312}$  respectively. If one of the number is 24. Find the other nu



a.126

b.136

c.146

d.156

Q13. If a number is divisible by 63, then it is also divisible by:

7

11

13

17

Q14. A number when divided by a divisor leaves a remainder of 24.  
When twice the original number is divided by the same divisor, the remainder is 11. What is the value of the divisor?

13

59

35

37

Q15. If the length is 4 times the breadth and the area of the rectangle is 2500 square units. Find the length

25

50

75

100

Q16. The LCM and HCF of two numbers are 2970 and 30 respectively. Prime factors of the product of two numbers are:

2, 3, 5, 11

2, 3, 7, 11

2, 4, 5, 11

2, 3, 7, 13

Q17. The number  $456*85$  is completely divisible by 3. Smallest whole digit number in place of \* can be

0

1

2

3

Q18. In the poultry farm, 50 hens give 200 eggs for 2 days. In how many days will 20 hens give 400 eggs?

a. 15

b. 10

c. 5

d. 0

Q19. If LCM and HCF of two numbers are 234 and 13 respectively. Then the smallest factor of the product of the two numbers is

2

3

4

5

Q20. What is X if  $8^{-1} * X = (-4)^{-1}$ ?

2

1

-2

-1

Q21. A number of 5 digit odd numbers that can be made from numbers 12345 are

- a.24
- b.32
- c.64
- d.72

Q22. If  $x=1+2^{1/2}$  and  $y=1-2^{1/2}$ , the  $x^2 + y^2$  is

- 2
- 3
- 6
- 0

Q23. Pick the odd man out

- ACFJ
- CEHL
- PRUY
- SUXZ

Q24. Surekha travels 10 km to reach her office . she walks 0.5 km on foot at a speed of 8 km ph to catch her chartered bus which travels of a speed of 40 kmph.Time taken by her to reach the office is:

- 15 min
- 20 min
- 18 min
- 30 min

Q25. One morning Udai and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Udai, which direction was Udai facing?



|            |
|------------|
| South-West |
| South-East |
| South      |
| North      |

Section 2 - Reasoning Ability

Section Summary

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

Additional Instructions:

None

Q1. 5, 25, 61, 113, ?

|     |
|-----|
| 181 |
| 121 |
| 212 |
| 241 |

Q2. QPS:TSV : IHK: ?

|     |
|-----|
| LKN |
| NQP |
| MKN |
| LOM |

Q3. Find the series:10,7,12,14,\_\_\_

|      |
|------|
| a.13 |
| b.15 |
| c.17 |



d.9

Q4. **Given signs signify something and on that basis, assume the given statement to be true. Answer the question basis the information provided.**  
P!Q denotes P greater than Q  
P\*Q denotes P equal to Q  
P+Q denotes P less than Q  
P\$Q denotes P not equal to Q  
PxQ denotes P not less than Q  
P%Q denotes P not greater than Q  
Then A!B!C does not imply

B+A!C

C+B+A

C+A!B

B+A+C

Q5. Find the next number?.10,7,12,10,14,?.

A.18

B.12

C.13

D.16

Q6. Efficiency is all right in its place, in the shop, the factory, the store. The trouble with efficiency is that it wants to rule our play as well as our work; it won't be content to reign in the shop, it follows us home

(a)Efficiency can become all pervading

(b)Efficiency does not always pay

(c)Efficiency can be more of a torture than blessing

(d)None of these

Q7. Meeru has lost her way home and was standing 25 metres away from her house in the southwest direction.He walks 20metres north reaches point A.how far and which direction would she have to walk to reach a house?

A.20m east

B.15m east





C.15m west

D.20m west

Q8. A boy is facing North west. He turns 85 degree in the anti clockwise direction and then 50 degree in the same direction. Which direction is he facing now?

A. Southwest

B. Southeast

C. South

D. North

Q9. One day Raja left home and cycled 5km southwards, turned left and cycled 2km and turned left again and cycled 3km.then he turned right and cycled 5km.how many kilometers will he have to cycle to reach his home straight?

A.Squareroot of 53

B. Squareroot of 54

C.Squareroot of 55

D.Squareroot of 56

Q10. If Mohan is the brother of Rohan?s grandmother, how is Rohan related to Mohan?

A. Brother- in- law

B. Uncle

C. Grandson

D. Grandfather

Q11. Odd man out : ACFJ, CEHL, PRUV, SUXZ

ACFJ

SUXZ

PRUV



CEHL

Q12. Looking at the portrait, A girl said,? he is the husband of the grand daughter of my mother?. How the man is related to the girl?

A.broher

B. son-in-law

C. father

D.cousin

Q13. Find the next number : 7, 10, 12, 10, 14, ?

11

7

16

13

Q14. Find the next number : 10, 7, 14, 10, 18, ?

11

13

22

5

Q15. Find the next number : 18, 19, 21, 24, ?

a. 26

b. 27

c.28

d.29

Q16. Odd man out : STV, XYA, KKT, BDE

- STV
- XYA
- KKT
- BDE

Q17. If SPECIFY is coded as 1916539625, then how ABOUT can be coded?

- A. 12152123
- B. 12150321
- C. 12152120
- D. 12512132

Q18. A,B and C are the children of D and E. F is the spouse of A. G is the grand daughter of D whose father is F. B is a mother of H. Then who is the male children of D and E ?

- A. A
- B. E
- C. B
- D. C

Q19. Odd man out :  
N3K ,T4P, W5S ,Q20

- A. N3K
- B. T4P
- C. W5S
- D.Q20

Q20. AZP : ZAR :: TAK : ?

- A. SYM
- B. RXN

C. TZN

D. SMY

Q21. Odd one out :

A.DED

B.FGD

C.PQN

D.TUS

Q22. Odd one out :

A.C54

B.E6L

C.M4Q

D.T3W

Q23. INVITE : JOWJUF :: ATTEND : ?

A. BUUFOE

B. BUUGOF

C. CUUFOE

D.CUUGQF

Q24. EHKN:FGLM::CFIL:

DEJK

DGJM

BEHK

BGJM

Q25. If STUMP is coded as PQRJM, then PITCH is coded as:

MFQZE

QJUBI

MEQAE

RKVEK

Section 3 - Verbal Ability

Section Summary

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

Additional Instructions:

None

Q1. WORSEN(opposite)

A.Complicate

B.Relive

C.Aggravate

D.Intensify

Q2. Microsoft created a revolution \_\_\_\_\_ making the personal computer affordable for middle class.

A. following

B. After

C. By

D. Through

Q3. The leaves \_\_\_\_\_ yellow and dry.

A. is

B. was

C.were

D. are

Q4. He had no interest in \_\_\_\_\_ obligatory dinners and social events.

A. Attend

B. Attending

C. Attends

D. Attend to

Q5. **Based on the given passage find out which of the statement can be inferred from the passage.**  
Efficiency is all right in its place, in the shop, the factory, the store. The trouble with efficiency is that it wants to rule our play as well as our work; it won?t be content to reign in the shop, it follows us home.

A. Efficiency can become all pervading

B. Efficiency does not always pay

C. Efficiency can be more of a torture than blessing

D. None of these

Q6. **Select the correct option that fills the blanks to make the sentence meaningfully complete**  
Shyam had to look up for another hotel as Hotel Paradise did not have any rooms.They were completely \_\_\_\_\_

booked

vacant

closed

filled

Q7. **Read the sentence to find out whether there is any grammatical error in it.,Ignore the error of punctuation if any**  
(A) A tie is a very important (B) part of formal dressing (C) for every man

(A)

(B)

(C)



No Error

Q8.

**Select the correct option that fills the blanks to make the sentence meaningfully complete**

The guest wanted to know\_\_\_\_\_ the hotel was offering him an extra overnight stay that they promised him.

For

Was

Whether

As

Q9.

Select the word or phrase which best express the MEANING of the given word **INSTIGATE(OPPOSITE)**

Stimulate

Prompt

Ferment

Decieve

Prevent

Q10.

Select the word or phrase which best express the MEANING of the given word. **STARTLED(OPPOSITE)**

Amused

Relaxed

Endless

Astonished

Q11.

**Improve the sentence by selecting the correct alternative to the italicised part of the sentence**

He lost all the money gambling,primarily because of his *avarice*.

GREED

NEGLIGENCE

FOOLISHNESS

LUCK

Q12. He \_\_\_\_the position of group leader because of his effective leadership skills.

Got

Get

Gotten

Getting

Q13. EXTRAORDINARY (OPPOSITE)

a) Exceptional

b) Unusal

c) Spectacle

d) Common

Q14. We as human beings get easily \_\_\_\_ by materialistic pleasures of modern age

a) Distracted

b) Attentive

c) Devoted

d) Diligent

Q15. The meeting in the office was held behind \_\_\_\_doors

CLOSE UP

CLOSING

CLOSE

CLOSED

Q16. GENERIC(Meaning)



- a) Standard
- b) Brand
- c) Specific
- d) Individual

Q17. **Spot the error and mark the appropriate alphabet**  
(A) Western culture have (B) influenced many people in (c) India in a very powerful way

- (A)
- (B)
- (C)
- No Error

Q18. CONSTITUENT (OPPOSITE)

- a) Whole
- b) Component
- c) Element
- d) Citizen

Q19. His coach tells me that he \_\_\_\_\_ in the league since he was sixteen years old

- has played
- will be playing
- is playing
- has been playing

Q20. Munnar *is the most refreshing and tranquil* hill station in the state of kerala

- a) Is most refreshing and tranquillity
- b) Is most refresh and tranquil



c) Is a most refreshing and tranquil

d) No improvement needed

Q21. Scientists believe that during initial years of the \_\_\_\_\_ of the earth. Water bodies increased in size due to continuous rainfall

formative

formations

formation

formed

Q22. (A) In the film fraternity, there are many people .(B) who likes to be in the lime light. But many just want(C) to stay away from any kind

(A)

(B)

(C)

No error

Q23. Advent (Antonym)

end

dawn

flexible

Emergence

adamant

Q24. chicago is widely known for its stuffed pizza and pizza pie joints have always busting with innumerable people

joints which were always busting

joints that are always supposed to the busting

joints that have always been busting



no improvement needed

Q25. which of the following sentences is grammatically correct?

some of the books lying on the table is not needed for this exam

some of the books lying at the table is not needed for this exam

some of the books lying at the table are not needed for this exam

some of the books lying on the table are not needed for this exam

some of the books lying over the table is not needed for this exam



Answer Key & Solution

Section 1 - Quantitative Aptitude

Q1

23.07%

Solution

Q2

20

Solution

C

Q3

2\*3\*13\*13

Solution

C

Q4

3209

Solution

B

Q5

10,000

Solution

cp-sp=2.40-12 cp=14.40 sp=16 so gained rs 1.60

Q6

180

Solution

C

Q7

d. None of these

Solution

nos be 10,11  $10+11=21$   $21/6=3$  rem=3 so none of these

Q8      b.  $1/77$

**Solution**

$$(6/4+51/6 \text{ of } 3/7)/(5+21/3) \quad (6/4+31/14)/(22/3) \quad 104/28/22/3 \quad 39/77-38/77=1/77$$

Q9      21

**Solution**

D

Q10     72 seconds

**Solution**

total distance= $250+250=500\text{m}$  relative speed= $60-35=25\text{km/hr}$  converting km/hr to m/sec, we get  $25*5/18=125/18(\text{m/sec})$

time=distance/speed= $500/125/18=72\text{secs}$

Q11      $75\frac{3}{7}$

**Solution**

Q12     d.156

**Solution**

$$\text{hcf}=12 \quad \text{lcm}*\text{hcf}=n_1*n_2 \quad n_2=\text{lcm}*\text{hcf}/n_1 \quad 12*312/24=156$$

Q13     7

**Solution**

$$63/7=9$$

Q14     37

**Solution**

PETROL=30%OFcaPITAL lic=70% of capital let total investment=x petrol+34000=lic  $3X+34000=7x$   $x=85000$

Q15  
100

**Solution**

$L=4b$  ;  $4b*b=2500$  ;  $b^2=625$  ;  $b=25$  ;  $L=25*4=100$

Q16  
2, 3, 5, 11

**Solution**

Q17  
2

**Solution**

456\_85 is completely div by 3 the smallest digit can be 2

Q18  
b.10

**Solution**

50 hens=200 eggs=2days 50 hens=100eggs=1day 1hen=2eggs=1day 20hens =40eggs=1day so 20 hens can lay 40 eggs in 1 day then 20 hens can lay 400 eggs in 10 day( $40*10=400$ )

Q19  
2

**Solution**

Q20  
-2

**Solution**

$x/8=-1/4$   $x=-8/4$   $x=-2$



Q21                    d.72

**Solution**

4\*3\*2\*1\*3=729non repeated)

Q22                    6

**Solution**

x=1+2^1/2 y=1-2^1/2 x^2+y^2=6

Q23                    SUXZ

**Solution**

others have 1:2:3 ratio

Q24                    18 min

**Solution**

Q25                    North

**Solution**

**Section 2 - Reasoning Ability**

Q1                    181

**Solution**

5 2+5=7 5+1=6 1+1+3=5 2+4+1=7 5,7,6,5,7,6....

Q2                    LKN

**Solution**

NO

Q3  
a.13

**Solution**

Not needed.

Q4  
B+A+C

**Solution**

-

Q5  
C.13

**Solution**

-

Q6  
(a)Efficiency can become all pervading

**Solution**

-

Q7  
B.15m east

**Solution**

-

Q8  
C. South

**Solution**

-

Q9  
A.Squareroot of 53



Solution

-

Q10

C. Grandson

Solution

-

Q11

SUXZ

Solution

-

Q12

B. son-in-law

Solution

-

Q13

13

Solution

-

Q14

13

Solution

-

Q15

c.28

Solution

-

Q16 KKT

Solution

-

Q17 C. 12152120

Solution

A=1,B=2,C=3,D=4,E=5,F=6,G=7,H=8,I=9,J=10,K=11,L=12,M=13,N=14,O=15,P=16,Q=17,R=18,S=19,T=20,U=21,V=22,W=23,X=24,Y=25,Z=26

So SPECIFY ==> 19,16,5,3,9,6,25

Therefore ABOUT ==>1,2,15,21,20

So Answer = 12152120

Q18 D. C

Solution

-

Q19 C. W5S

Solution

-

Q20 A. SYM

Solution

-

Q21 A.DED

Solution

-

Q22 A.C54

**Solution**

-

Q23      A. BUUFOE

**Solution**

-

Q24      DEJK

**Solution**

no

Q25      MFQZE

**Solution**

**Section 3 - Verbal Ability**

Q1      B.Relive

**Solution**

-

Q2      C. By

**Solution**

-

Q3      C.were

**Solution**

Subject 'leaves' is in plural form,so the correct answer is option 1



Q4            B. Attending

**Solution**

-

Q5            A. Efficiency can become all pervading

**Solution**

-

Q6            booked

**Solution**

Q7            No Error

**Solution**

Q8            As

**Solution**

Q9            Prevent

**Solution**

Q10           Relaxed

**Solution**



Q11       GREED

**Solution**

Q12       Got

**Solution**

Q13       d) Common

**Solution**

NIL

Q14       a) Distracted

**Solution**

Q15       CLOSED

**Solution**

NIL

Q16       a) Standard

**Solution**

Q17       (A)

**Solution**

Q18      a) Whole

**Solution**

NIL

Q19      has been playing

**Solution**

Q20      d) No improvement needed

**Solution**

NIL

Q21      formation

**Solution**

Q22      (B)

**Solution**

Q23      end

**Solution**

Q24      joints that have always been busting

**Solution**

Q25      some of the books lying on the table are not needed for this exam

**Solution**

