Quantitative questions

1,27,125,?,729,1331.Find da no missing in dis sequence. Ans. 343

Hint.

1^3, 3^3,5^3, 7^3, 9^3.....

2) 7, 19,31,43, ?, 77,89,101

Hint: add 12 to each

3) y w v t r p n Find next letter

4) There is a rectangular Garden whose length and width are 60m X 20m. There is a walkway of uniform width around garden. Area of walkway is 516m². Find width of walkway

a)1 b) 2 c)3 d)4

Ans: 3

10^10

5) ----=

10^4+10^2 Ans: 10^4

6) If a certain sum of money at SI doubles itself in 5 yrs then what is the rate?

a)5% b) 10% c)25% d)20%

Ans: 20% check answer

- 7) Fresh Grapes contain 90% water by wt. Dried grapes contain 20% water by %age. What will b wt of dried grapes when we begin with 20 kg fresh grapes?
- 8. A man engaged a servant on a condition that he'll pay Rs 90 and also give him a bag at the end of the yr. He served for 9 months and was given a turban and Rs 65. So the price of turban is

Rs 10 / 19 / 0 / 55

- 9). The sum of six consecutive odd nos. is 888. What is the average of the nos.? i. 147 ii. 148 iii. 149 iv. 146
- 10. In a race from pt. X to pt Y and back, Jack averages 30miles/hr to pt Y and 10 miles/hr back to pr X.Sandy averages 20 miles/hr in both directions. If Jack and Sandy start race at same tym, who'll finish 1st

Jack/Sandy/they tie/Impossible to tell

11. A man engaged a servant on a condition that he'll pay Rs 90 and also give him a bag at the end of the yr. He served for 9 months and was given a turban and Rs 65. So the price of turban is

22. Three wheels make 36, 24, 60 rev/min. Each has a black mark on it. It is aligned at the start of the qn. When does it align again for the first tym? 14/20/22/5 sec

23. If 1 = (3/4)(1 + (y/x)) then i. x=3y ii. x=y/3 iii. x=(2/3)y iv. None

REASONING

Direction for Qn 15-18

An employee has to allocate offices to 6 staff members. The offices are no. 1-6. the offices are arranged in a row and they are separated from each other by dividers>hence voices, sounds and cigarette smoke flow easily from one office to another

Miss R needs to use the telephone quite often throughout the day. Mr. M and Mr. B need adjacent offices as they need to consult each other often while working. Miss H is a senior employee and his to be allotted the office no. 5, having the biggest window.

Mr D requires silence in office next to his. Mr. T, Mr M and Mr. D are all smokers. Miss H finds tobacco smoke allergic and consecutively the offices next to hers are occupied by non-smokers. Unless specifically stated all the employees maintain an atmosphere of silence during office hrs.

The ideal candidate to occupy office farthest from Mr. B will be i. Miss H ii. Mr. M iii. Mr. T iv. Mr. D

The three employees who are smokers should be seated in the offices i. 1 2 4 ii. 2 3 6 iii. 1 2 3 iv. 1 2 3

The ideal office for Mr. M would be i. 2 ii. 6 iii. 1 iv. 3

In the event of what occurrence within a period of one month since the assignment of the offices would a request for a change in office be put forth by one or more employees?

- i. Mr D quitting smoking
- ii. Mr. T taking over duties formally taken care of by Miss R
- iii. The installation of a water cooler in Miss H's office
- iv. Mr. B suffering from anemia

Direction for Ques no. 24-25

Elle is 3 times older than Zaheer. Zaheer is ½ as old as Waheeda. Yogesh is elder than Zaheer. What is sufficient to estimate Elle's age?

- i. Zaheer is 10 yrs old
- ii. Yogesh and Waheeda are both older than Zaheer by the same no of yrs.
- iii. Both of the above
- iv. None of the above

Which one of the following statements can be inferred from the info above

- i. Yogesh is elder than Waheeda
- ii. Elle is older than Waheeda
- iii. Elle's age may be less than that of Waheeda
- iv. None of the above

Quantitative Section (Maths)

1) Find the next term in series?

25 16 9 4 1 0 ?

Ans. $(-1)^2 = 1$

2) If $2 ^51 = ?a) 1b) 2c) 4d) 8$

Ans.: opt. (d) 8

3) Ther are 2 problems on surface area & volume of triangle

B 10m A and angle of BAC=30 degree

C 10m

4) The Parallelogram ABCD, the line CD ha midpoint E frm line AB, then the ration of Traingle AED / parallelogram ABCD =

a) 2:1 b) 1:2 c) 4:1 d) 1:4

Ans: (d) 1:4

5) Train A starts from x at 12:00 pm & reach at Y on 2:30 pm & train B starts from Y at 12:15 n reach at X on 2:15 so, when both trains crosses each other.

Ans: 1:15 pm

6) In election two candidate, one who loss got 42%, 112 votes so how many voters are their.

Ans. 650 voters (check)

7) Boat in 2 km downstream in just 20min 7 come back again in 1 hour. Then what is the speed of river?

Ans: 1km(plz chk)

8) $(Ax)^2 + (Bx) + (c) = 0$ in these eqn. someone changes the value of b & c, but there is no change in result, so what is that value?

Ans: 2,1

9) There are three coins of Re 1, 50 ps, 25 ps having ratio of 13:11:3. the total sum of money is 77, then find out hw many rupees 1 coins is there?

Ans: 52

- 10) some interchanging problem
- 11) Interest problem. A got Rs. 150 more on sum amt as a rate of 3%, then wht is the amout?

Ans: 5000

12) The numerator by 4 gets 1.5 times more than original number then wht is the numerator value?

Ans: 6 (I thnk)

13) X + Y = 6, then XY = ? a) 36 b) 8 c) 3 4) 30

Ans. 8 x=4,y=2 bcome 6 & 4*2=8

14) The addition of 2 number difference of 2 number is a perfect square 7 the difference of both perfect square also a perfect square. Then find out this no.

Ans: 6, 2 bcoz 6+2=8, 6-2=4 and 8-4=4

- 15) Two problems on profit & loss
- 17) Height problem 18) series prob.
- 19) venn diagram problem
- **II) Logical Questions:**
- 1. There is a family of six persons P,Q,R,S,T and U.They are Lawyer, Doctor, Teacher, Salesman, Engineer and Accountant. There are two married couples in the family. S, the

salesman is married to the Lady Teacher. The Doctor is married to the Lawyer U, The Accountant is the son of Q and brother of T. R, the Lawyer is the daughter-in-law of P. T is the unmarried Engineer. P is the Grandmother of U. Which is the profession of P? (4 questions on this)

a)Lawyer b)Teacher c)Doctor d)Accountant

5) blood relations problem (4 questions)

10) S I R S

+ K I L S

SMOKE (6 ques)

I got value of each above letter

$$S = 1 E = 2 L = 3 I = 4$$

$$R = 6 O = 8 K = 9 M = 0 (200 \% sure)$$

17) Who is the tallest among six person n some condn given (4 Qs)

Tallest person = A

- 22) Nidhi hve some ant of money. As she is going to market she meet person A she gave him half of money & remaining half of money he gave Person B & remaining of half of money, likewise she gave all money to 7 person, finally lst one person (7) got no money means Rs. 0, so based on that 6 ques is asked?
- 1) Nidhi hve total amt of money = 127

$$1st = 63 \ 2nd = 31 \ 3rd = 15$$

$$4th = 7 5th = 3 6th = 1$$

7th = 0

III) Verbal Questions Section:

1) 2 synonyms
2) 2 antonyms
3) 2 questions on choose correct phrase
4) Logical. To make sentence (4 Qs)
e.g 1) $x + y$? $z + t$ then a) $x + y + t$ is even b) $Z*t$ is odd
5) Complete the paragraph
Choosing correct sentence frm option (4 Ques)
6) Paragraph reading (6 Qs)
Sample Questions: 1. Find min value of fn: $ -5-x + 2-x + 6-x + 10-x $; where x is an integer $0/17/23/19$ Ans) 19
2. units digit in expansion os 2 raised to 51 is: 2 4 6 8 Ans) 8
3. 2 men at same tym start walking towards each other from A n B 72 kms apart. sp of A is 4kmph.Sp of B is 2 kmph in 1st hr,2.5 in 2nd, 3 in rd. n so onwhen will they meet i in 7 hrs ii at 35 kms from A iii in 10 hrs iv midway in a 2 digit no unit's place is halved and tens place is doubled.diff bet the nos is 37.digit in unit's place is 2 more than tens place. 24 46 42 none
4. if x-y + z = 19, y + z = 20, x-z=3, find d value of x+4y-5z 22 38 17 none
5. Find approx value of 39.987/0.8102+1.987*18.02 72 56

44

6. If the ratio of prod of 3 diff comp's A B & C is 4:7:5 and of overall prod last yr was 4lac tones and if each comp had an increase of 20% in prod level this yr what is the prod of Comp B this yr?

2.1L

22.1L

4.1L

none

7. $(8*76+19*?-60) / (?*7*12+3-52)=1 \frac{5}{2}/\frac{1}{3}$ In Aptitude paper there r 2 sections usually viz. Quant n Logical 25 qs in each section. to be solved in 60 mins. Apt is followed by a

1) Find the nest term in series?

25 16 9 4 1 0 ?

Ans. $(-1)^2 = 1$

2) If $2 ^51 = ?a) 1b) 2c) 4d) 8$

Ans.: opt. (d) 8

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$$X + Y = 6$$
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Ans. 8 = 4,y = 2 bcome 6 & 4 = 2 = 8

14) The addition of 2 number difference of 2 number is a perfect square 7 the difference of both perfect square also a perfect square. Then find out this no.

Ans:
$$6$$
, $2 \text{ bcoz } 6+2=8$, $6-2=4$ and $8-4=4$

- 15) Two problems on profit & loss
- 17) Height problem 18) series prob.
- 19) venn diagram problem

II) Logical Questions:

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a)Lawyer b)Teacher c)Doctor d)Accountant

5) blood relations problem (4 questions)

$$+KILS$$

???????

SMOKE (6 ques)

I got value of each above letter

$$S = 1 E = 2 L = 3 I = 4$$

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- 1) 2 synonyms
- 2) 2 antonyms
- 3) 2 questions on choose correct phrase

4) Logical. To make senetence (4 Qs)

e.g 1) x + y? z + t then a) x + y + t is even b) Z*t is odd

5) Complete the paragraph

Choosing correct sentence from option (4 Ques)

6) Paragraph reading (6 Qs)

IT WAS ONLINE TEST HAVING 2 SECTION & 50 QUES. 25 EACH OF APTITUDE & L.R.

APTITUDE QUESTIONS WERE O.K. TYPE QUES, MEANS ONE CAN EASILY ATTEMPT 20 OUT OF 25

THERE WERE OUES LIKE FIND X IF 15+2X+3Y/25+9X-8Y=7X-6Y+85/3X+2Y+76

- 2. CALCULATE UNIT DIGIT OF 2^51???????
- 3. PICK D ODD ONE OUT
- 4. 2 QUES 4M BOAT & STREAM PROB.
- 2-3 QUES 4M TRAIN PROB MEANS TIME SPEED & DISTANCE

ETC. WERE THERE U CAN DO IT EASILY

LR PORTION WAS BIT TOUGH & TIME CONSUMING
THERE WERE SITUATIONS GIVEN & ONLY 1 QUES. WAS THERE 4M EVERY
SITUATION SO IT WAS TIME CNSUMING & CONFUSING BUT I'LL SAY U NEED 2
PRACTICE 4M BARRON THEN U CAN DO IT.

THERE WERE SCTIONALCUTOFF FOR EACH SECTION & A OVERALL CUTOFF(UPPER & LOWER CUT OFF)
I THINK THERE WAS LOWER CUT OFF OF 21 & UPPER CUT OFF OF 28
I GOT 27 WRIGHT AS I WAS TOLD IN MY HR INTERVIEW. AFTER WRITTEN TEST 58
OUT OF 205 WERE SHORT LISTED 4 GD

2ND WAS GD ROUND

IT WAS A EASY ONE TOPICS WERE GENERAL LIKE PRESENT STATUS OF INDIAN CRICKET TEAM , & SHOULD KISSING BE ALLOWED IN INDIAN CULTURE OPENELY(SHILPA SHETTY CASE) , LIKEWISE...

THERE WERE 2 PANNELS 4 TECHNICAL INTERVIEW I GOT THE BETTER ONE(ONE WHO WAS SELECTING MOST)

I WAS ASKES QUES.->

- 1 TELL ME SOMETHING ABT UR SELF.
- 2 HOW MANY LANGGUAGES U KNOW???
- 3 QUES 4M "C".

4 HE ASKED ME MY FAVOURATE SUBJECT I SAID "DATA COMMUNICATION" HE ASKED ME SOME QUES 4M DATA COMM. & GAVE ME "HR FORM"

THERE WAS A LADY HR ONLY 2 TAKE HR INTERVIEW 28 STUDENTS WERE THERE 4 HR ROUND

IN HR INTERVIEW I WAS MOSTLY ASKED G.K. QUES LIK WHAT IS D CURRENCY OF FRANCE(AS IT WAS FRANCE BASED CO.) WHAT IS THE CURRENCY OF UK HOW MANY CONTINENTS ARE THERE WHO IS PRIME MINISTER OF UK???.

Written Exam held on 20th September In Writtern Exam there are 50 Questions.. 25 - Apptitude 25 - LR

For clearing the written exam you must do the previous year papers (R.S Aggarwal) An employee has to allocate offices to 6 staff members. The offices are no. 1-6. the offices are arranged in a row and they are separated from each other by dividers>hence voices, sounds and cigarette smoke flow easily from one office to another Miss R needs to use the telephone quite often throughout the day. Mr. M and Mr. B need adjacent offices as they need to consult each other often while working. Miss H is a senior employee and his to be allotted the office no. 5, having the biggest window. Mr. D requires silence in office next to his. Mr. T, Mr. M and Mr. D are all smokers. Miss H finds tobacco smoke allergic and consecutively the offices next to hers are occupied by non-smokers. Unless specifically stated all the employees maintain an atmosphere of silence during office hrs.

The ideal candidate to occupy office farthest from Mr. B will be i. Miss H ii. Mr. M iii. Mr. T iv. Mr. D

The three employees who are smokers should be seated in the offices i. 1 2 4 ii. 2 3 6 iii. 1 2 3 iv. 1 2 3

The ideal office for Mr. M would be i. 2 ii. 6 iii. 1 iv. 3

In the event of what occurrence within a period of one month since the assignment of the offices would a request for a change in office be put forth by one or more employees?

i. Mr. D quitting smoking

ii. Mr. T taking over duties formally taken care of by Miss R

iii. The installation of a water cooler in Miss H's office

iv. Mr. B suffering from anemia

Direction for Qn

Elle is 3 times older than Zaheer. Zaheer is ½ as old as Waheeda. Yogesh is elder than Zaheer. What is sufficient to estimate Elle's age?

- i. Zaheer is 10 yrs old
- ii. Yogesh and Waheeda are both older than Zaheer by the same no of yrs.
- iii. Both of the above
- iv. None of the above

Which one of the following statements can be inferred from the info above

- i. Yogesh is elder than Waheeda
- ii. Elle is older than Waheeda
- iii. Elle's age may be less than that of Waheeda
- iv. None of the above

Ten coins are distr. Among 4 people P, Q, R, S such that one of them gets a coin, another gets 2 coins,3rd gets 3 coins, and 4th gets 4 coins. It is known that Q gets more coins than P, and S gets fewer coins than R

- a. If the no. of coins distr. To Q is twice the no. distr. to P then which one. is necessarily true?
- i. R gets even no. of coins
- ii. R gets odd no. of coins
- iii. S gets even no. of coins
- iv. S gets odd no. of coins
- b. If R gets at least two more coins than S which one of the following is necessarily true?
- i. Q gets at least 2 more coins than S
- ii. Q gets more coins than P
- iii. P gets more coins than S
- iv. P and Q together get at least five coins

QUANTITATIVE:

- 1. Find min value of fn: |-5-x| + |2-x| + |6-x| + 10-x|; where x is an integer
- 0 17 23 19
- 2. units digit in expansion os 2 raised to 51 is:
- 2 4 6 8
- 3. 2 men at same tym start walking towards each other from A n B 72 kms apart. sp of A is 4kmph.Sp of B is 2 kmph in 1st hr,2.5 in 2nd, 3 in rd. n so on...when will they meet i in 7 hrs ii at 35 kms from A iii in 10 hrs iv midway
- 4. (8*76+19*?-60) / (?*7*12+3-52)=1
- 5 2 1 3
- $5.\,45$ grinders brought @ 2215/-.transpot expense 2190/-.2760/- on octroi . Find SP/piece to make profit of 20%
- 2585 2225 2670 3325

6. in a 2 digit no unit's place is halved and tens place is doubled.diff bet the nos is 37.digit in unit's place is 2 more than tens place. 24 46 42 none
7. if $x-y+z=19$, $y+z=20$, $x-z=3$, find d value of $x+4y-5z$ 22 38 17 none
8. Find approx value of 39.987/0.8102+1.987*18.02 72 56 86 44
9. If the ratio of prod of 3 diff comp's A B & C is 4:7:5 and of overall prod last yr was 4lac tones and if each comp had an increase of 20% in prod level this yr what is the prod of Comp B this yr?
2.1L 22.1L 4.1L none
10. If 70% of a no. is subtracted from itself it reduces to 81.what is two fifth of that no.? 108/54/210/none
11. If a certain sum of money at SI doubles itself in 5 yrs then what is d rate? 5% 20% 25% 14.8%
12. If radius of cylinder and sphere r same and vol of sphere and cylinder r same what is d ratio betn the radius and height of the cylinder i. $R = H$ ii. $R = (3/4)H$ iii. $R = (4/3)H$ iv. $R = 2/3H$
13. Which one of the foll fractions is arranged in ascending order i. 9/11,7/9,11/13,13/14 ii 7/8,9/11,11/13,13/14 iii 9/11,11/13,7/8,13/14 iv none
14. A is 4 yrs old and B is thrice A>when A is 12 yrs, how old will B be? 16 20 24 28
15. Boat goes downstream from P to Q in 2hrs, upstream in 6hrs and if speed of stream was ½ of boat in still water. Find dist PQ 6 4 10 none
16. Fresh Grapes contain 90% water by wt. Dried grapes contain 20% water by %age. What will b wt of dried grapes when we begin with 20 kg fresh grapes? 2kg 2.4kg 2.5kg none
17. How many 5 digit no. can b formed wit digits 1, 2, 3,4,5,6 which r divisible by 4 and digits not repeated
144 168 192 none
18. Asish was given Rs. 158 in denominations of Rs 1 each. He distributes these in diff bags, such that ne sum of money of denomination betn 1 and 158 can be given in bags. The min no. of such bags reqd:
10 17 15 none

19. There is a rectangular Garden whose length and width are 60m X 20m. There is a walkway of uniform width around garden. Area of walkway is 516m². Find width of walkway:

1 2 3 4

20. In a race from pt. X to pt Y and back, Jack averages 0 miles/hr to pt Y and 10 miles/hr back to pr X.Sandy averages 20 miles/hr in both directions. If Jack and Sandy start race at same tym, who'll finish:

i. 1st Jack ii.Sandy iii.they tie iv.Impossible to tell

21. A man engaged a servant on a condn that he'll pay Rs 90 and also give him a bag at the end of the yr. He served for 9 months and was given a turban and Rs 65. So the price of turban is i. Rs:

10 19 0 55

22. Three wheels make 36, 24, 60 rev/min. Each has a black mark on it. It is aligned at the start of the qn. When does it align again for the first tym?

14 20 22 5sec

23. If 1 = (3/4)(1 + (y/x)) then

i. x=3y ii. x=y/3 iii. x=(2/3)y iv. none

24. The sum of six consecutive odd nos. is 888. What is the average of the nos.? i. 147 ii. 148 iii. 149 iv. 146

25. 1010/104*102=10?

i. 8 ii. 6 iii. 4 iv. none

ANALYTICAL:

Direction for Question 1-8

Ans A using I only Ans B using II only Ans C using both I and II Ans D not solvable

- 1. Raman and Gaurav Brought eggs from a vendor. How many eggs were bought by each of them
- i. Raman bought half as many as Gaurav
- ii. The dealer had a stock of 500 eggs at the beginning of day
- 2. What is the age of Ramprakash?
- i. Ramprakash was born when his father was 26 yrs old
- ii. Ramprakash's mothers age is 3yrs less than his father's
- 3. How much time is read for downloading the software?
- i. The Data transfer rate is 6 kbps
- ii. The size of the software is 4.5 megabytes
- 4. Sanjay and Vijay started their journey from Mumbai to Pune. Who reached Pune first?
- i. Sanjay overtakes two times Vijay and Vijay overtakes Sanjay two times
- ii. Sanjay started first

- 5. Is the GDP of country X higher than Country Y? i. GDP's of X and Y has been increasing at a compounded annual growth rate of 5% and 6% over he past 5 yrs ii. 5 yrs ago GDP of X was 1.2 times Y
- 6. A boat can ferry 1500 passengers across a river in 12 hrs. How many round trips does it make during the journey? i. The boat can carry 400 passengers at a time ii. During its journey, the boat takes 40 mins time each way and 20 mins waiting time at each end.
- 7. What are the values of m and n? i. n is an even integer, m is odd integer and m is greater than n. ii. The product of m and n is 30
- 8. How much is the weight of 20 mangoes and 30 oranges?
- i. 1 orange weighs twice that of 1 mango
- ii. 2 mangoes and 3 oranges weigh 2 kg

Direction for Question 9-12

Five teams participated in Pepsi Cup. Each team played against each other. The top teams played finals. A win fetched 2 pts and a tie 1 point

- 1) South Africa were in the finals
- 2) India defeated SA but failed to reach the finals
- 3) Australia lost only one match in the tournament
- 4) The match between India and Sri Lanka was a tie
- 5) The undefeated team in the league matches lost in the finals
- 6) England was one of the best teams that did not qualify
- 9. Who were the finalists?
- i. SA & India
- ii. Aus & SL
- iii. SA & SL
- iv. none
- 10. Who won the finals?
- i. Aus
- ii. SL
- iii. SA
- iv. Can't be determined
- 11. How many matches did India Win?
- i. 0
- ii. 1
- iii. 2
- iv. can't be determined
- 12. What was the outcome of the India England Match
- i. India won
- ii. England won
- iii. It was a tie
- iv. Can't be determined

Direction for Qn 13-14

These qns are based on situations given below:

7 Uni crick players are to be honored at a special luncheon. The players will be seated on a dais along one side of a single rectangular table. A and G have to leave the luncheon early and must be seated at the extreme right end of table, which is closest to exit. B will receive Man of the Match and must be in the centre chair C and D who are bitter rivals for the position of Wicket keeper dislike one another and should be seated as far apart as possible E and F are best friends and want to seat together.

13. Which of the foll may not be seated at either end of the table?

i. C ii. D iii. G iv. F

14. Which of the foll pairs may not be seated together?

i. E & A ii. B & D iii. C & F iv. G & D

Direction for Qn 15-18

An employee has to allocate offices to 6 staff members. The offices are no. 1-6. the offices are arranged in a row and they are separated from each other by dividers>hence voices, sounds and cigarette smoke flow easily from one office to another Miss R needs to use the telephone quite often throughout the day. Mr. M and Mr. B need adjacent offices as they need to consult each other often while working.

Miss H is a senior employee and his to be allotted the office no. 5, having the biggest window. Mr D requires silence in office next to his. Mr. T, Mr M and Mr. D are all smokers. Miss H finds tobacco smoke allergic and consecutively the offices next to hers are occupied by non-smokers. Unless specifically stated all the employees maintain an atmosphere of silence during office hrs.

- 15. The ideal candidate to occupy office farthest from Mr. B will be i. Miss H ii. Mr. M iii. Mr. T iv. Mr. D
- 16. The three employees who are smokers should be seated in the offices i. 1 2 4 ii. 2 3 6 iii. 1 2 3 iv. 1 2 3
- 17. The ideal office for Mr. M would be i. 2 ii. 6 iii. 1 iv. 3
- 18. In the event of what occurrence within a period of one month since the assignment of the offices would a request for a change in office be put forth by one or more employees?
- i. Mr D quitting smoking
- ii. Mr. T taking over duties formally taken care of by Miss R
- iii. The installation of a water cooler in Miss H's office
- iv. Mr. B suffering from anemia

Direction for Qn 19-20

A robot moves on a graph sheet with x-y axes. The robot is moved by feeding it with a sequence of instructions. The different instructions that can be used in moving it, and their meanings are: Instruction Meaning GOTO(x,y) move to pt with co-ord (x,y) no matter where u are currently WALKX(P) move parallel to x-axis through a distance of p, in the +ve direction if p is +ve and

in –ve if p is –ve WALKY(P) move parallel to y-axis through a distance of p, in the +ve direction if p is +ve and in –ve if p is –ve

- 19. The robot reaches point (5,6) when a sequence of 3 instr. Is executed, the first of which is GOTO(x,y), WALKY(2), WALKY(4). What are the values of x and y??
- i. 2.4 ii. 0.0 iii. 3.2 iv. 2.3
- 20. The robot is initially at (x.y), x>0 and y<0.>
- i. 2 ii. 1 iii. x + y iv. 0

Direction for Qn 21-23

Ten coins are distr. Among 4 people P, Q, R, S such that one of them gets a coin, another gets 2 coins, 3rd gets 3 coins, and 4th gets 4 coins. It is known that Q gets more coins than P, and S gets fewer coins than R

- 21. If the no. of coins distr. To Q is twice the no. distr. to P then which one of the foll. is necessarily true?
- i. R gets even no. of coins
- ii. R gets odd no. of coins
- iii. S gets even no. of coins
- iv. S gets odd no. of coins
- 22. If R gets at least two more coins than S which one of the foll is necessarily true?
- i. Q gets at least 2 more coins than S
- ii. Q gets more coins than P
- iii. P gets more coins than S
- iv. P and Q together get at least five coins
- 23. If Q gets fewer coins than R, then which one of the foll. is not necessarily true?
- i. P and Q together get at least 4 coins
- ii. Q and S together get at least 4 coins
- iii. R and S together get at least 5 coins
- iv. P and R together get at least 5 coins

Direction for Qn 24-25

Elle is 3 times older than Zaheer. Zaheer is ½ as old as Waheeda. Yogesh is elder than Zaheer.

- 24. What is sufficient to estimate Elle's age?
- i. Zaheer is 10 yrs old
- ii. Yogesh and Waheeda are both older than Zaheer by the same no of yrs.
- iii. Both of the above iv. None of the above
- 25. Which one of the foll, statements can be inferred from the info above
- i. Yogesh is elder than Waheeda
- ii. Elle is older than Waheeda
- iii. Elle's age may be less than that of Waheeda
- iv. None of the above

Placement Paper

1. Find min value of fn:

|-5-x| + |2-x| + |6-x| + 10-x|; where x is an integer 0/17/23/19

2. units digit in expansion os 2 raised to 51 is:

2/4/6/8

3. 2 men at same tym start walking towards each other from A n B 72 kms apart. sp of A is 4kmph.Sp of B is 2 kmph in 1st hr,2.5 in 2nd,

3 in rd. n so on?when will they meet i in 7 hrs ii at 35 kms from A iii in 10 hrs iv midway

- **4.** (8*76+19*?-60) / (?*7*12+3-52)=1 5/2/1/3
- 5. 45 grinders brought @ 2215/-.transpot expense 2190/-.2760/- on octroi . Find SP/piece to make profit of 20%

2585/2225/2670/3325

6. in a 2 digit no unit?s place is halved and tens place is doubled.diff bet the nos is 37.digit in unit?s place is 2 more than tens place.

24/46/42/none

- 7. if x-y + z = 19, y + z = 20, x-z=3, find d value of x+4y-5z $\frac{22}{38}/\frac{17}{none}$
- 8. Find approx value of 39.987/0.8102+1.987*18.02

72/56/86/44

9. If the ratio of prod of 3 diff comp?s A B & C is 4:7:5 and of overall prod last yr was 4lac tones and if each comp had an increase of 20% in prod level this yr what is the prod of Comp B this yr?

2.1L/22.1L/4.1L/none

- 10. If 70% of a no. is subtracted from itself it reduces to 81.what is two fifth of that no.? 108/54/210/none
- 11. If a certain sum of money at SI doubles itself in 5 yrs then what is d rate? 5%/20%/25%/14.8%

12. If radius of cylinder and sphere r same and vol of sphere and cylinder r same what is d ratio betn the radius and height of the cylinder

i. R= H ii. R= (3/4)H iii. R = (4/3)H iv. R=2/3H

13. Which one of the foll fractions is arranged in ascending order

i. 9/11,7/9,11/13,13/14 ii 7/8,9/11,11/13,13/14 iii 9/11,11/13,7/8,13/14 iv none

- 14. A is 4 yrs old and B is thrice A>when A is 12 yrs, how old will B be? 16/20/24/28
- 15. Boat goes downstream from P to Q in 2hrs, upstream in 6hrs and if speed of stream was ? of boat in still water. Find dist PQ 6/4/10/none
- 16. Fresh Grapes contain 90% water by wt. Dried grapes contain 20% water by %age. What will b wt of dried grapes when we begin with 20 kg fresh grapes? $2 \log / 2.4 \log / 2.5 \log / none$
- 17. How many 5 digit no. can b formed wit digits 1, 2, 3,4,5,6 which r divisible by 4 and digits not repeated 144 / 168 / 192 / none
- 18. Asish was given Rs. 158 in denominations of Rs 1 each. He distributes these in diff bags, such that ne sum of money of denomination betn 1 and 158 can be given in bags. The min no. of such bags reqd

10 / 17 / 15 / none

19.There is a rectangular Garden whose length and width are 60m X 20m.There is a walkway of uniform width around garden. Area of walkway is 516m^2. Find width of walkway

1/2/3/4

- 20. In a race from pt. X to pt Y and back, Jack averages 0 miles/hr to pt Y and 10 miles/hr back to pr X.Sandy averages 20 miles/hr in both directions. If Jack and Sandy start race at same tym, who?ll finish 1st Jack/Sandy/they tie/Impossible to tell
- 21. A man engaged a servant on a condn that he?ll pay Rs 90 and also give him a bag at the end of the yr. He served for 9 months and was given a turban and Rs 65. So the price of turban is

i. Rs 10 / 19 / 0 / 55

22. Three wheels make 36, 24, 60 rev/min. Each has a black mark on it. It is aligned at the start of the qn. When does it align again for the first tym?

14/20/22/5 sec

- 23. If 1 = (3/4)(1 + (y/x)) then
- i. x=3y
- ii. x=y/3
- iii. x=(2/3)y

iv. none

- 24. The sum of six consecutive odd nos. is 888. What is the average of the nos.?
- i. 147
- ii. 148
- iii. 149
- iv. 146
- 25. 1010/104*102=10?
- i. 8
- ii. 6
- iii. 4

iv. none

Section B

Direction for On 1-8

Ans A using I only

Ans B using II only

1. Raman and Gaurav Brought eggs from a vendor. How many eggs were bought by each of them

- i. Raman bought half as many as Gaurav
- ii. The dealer had a stock of 500 eggs at the beginning of day
- 2. What is the age of Ramprakash?
 - i. Ramprakash was born when his father was 26 yrs old
 - ii. Ramprakash?s mothers age is 3yrs less than his father?s
- 3. How much time is reqd for downloading the software?
 - i. The Data transfer rate is 6 kbps
 - ii. The size of the software is 4.5 megabytes

4. Sanjay and Vijay started their journey from Mumbai to Pune. Who reached Pune first?

- i. Sanjay overtakes two times Vijay and Vijay overtakes Sanjay two times
- ii. Sanjay started first

5. Is the GDP of country X higher than Country Y?

- i. GDP?s of X and Y has been increasing at a compounded annual growth rate of 5% and 6% over he past 5 yrs
- ii. 5 yrs ago GDP of X was 1.2 times Y

6. A boat can ferry 1500 passengers across a river in 12 hrs. How many round trips does it make during the journey?

- i. The boat can carry 400 passengers at a time
- ii. During its journey, the boat takes 40 mins time each way and 20 mins waiting time at each end.

7. What are the values of m and n?

- i. n is an even integer, m is odd integer and m is greater than n.
- ii. The product of m and n is 30

8. How much is the weight of 20 mangoes and 30 oranges?

- i. 1 orange weighs twice that of 1 mango
- ii. 2 mangoes and 3 oranges weigh 2 kg

Direction for Qn 9-12

Five teams participated in Pepsi Cup. Each team played against each other. The top teams played finals. A win fetched 2 pts and a tie 1 point

- 1) South Africa were in the finals
- 2) India defeated SA but failed to reach the finals
- 3) Australia lost only one match in the tournament
- 4) The match between India and Sri Lanka was a tie
- 5) The undefeated team in the league matches lost in the finals
- 6) England was one of the best teams that did not qualify
- 9. Who were the finalists?
- i. SA & India
- ii. Aus & SL
- iii. SA & SL
- iv. none

10. Who won the finals?

- i. Aus
- ii. SL
- iii. SA
- iv. Can?t be determined

11. How many matches did India Win?

- i. 0
- ii. 1
- iii. 2
- iv. can?t be determined

12. What was the outcome of the India England Match

- i. India won
- ii. England won
- iii. It was a tie
- iv. Can?t be determined

Direction for Qn 13-14

These qns are based on situations given below:

7 Uni crick players are to be honored at a special luncheon. The players will be seated on a dais along one side of a single rectangular table.

A and G have to leave the luncheon early and must be seated at the extreme right end of table, which is closest to exit.

B will receive Man of the Match and must be in the centre chair

C and D who are bitter rivals for the position of Wicket keeper dislike one another and should be seated as far apart as possible

E and F are best friends and want to seat together.

13. Which of the foll may not be seated at either end of the table?

i. C

ii. D

iii. G

iv. F

14. Which of the foll pairs may not be seated together?

i. E & A

ii. B & D

iii. C & F

iv. G & D

Direction for Qn 15-18

An employee has to allocate offices to 6 staff members. The offices are no. 1-6. the offices are arranged in a row and they are separated from each other by dividers>hence voices, sounds and cigarette smoke flow easily from one office to another

Miss R needs to use the telephone quite often throughout the day. Mr. M and Mr. B need adjacent offices as they need to consult each other often while working. Miss H is a senior employee and his to be allotted the office no. 5, having the biggest window.

Mr D requires silence in office next to his. Mr. T, Mr M and Mr. D are all smokers. Miss H finds tobacco smoke allergic and consecutively the offices next to hers are occupied by non-smokers. Unless specifically stated all the employees maintain an atmosphere of silence during office hrs.

15. The ideal candidate to occupy office farthest from Mr. B will be

i. Miss H

ii. Mr. M

iii. Mr. T

iv. Mr. D

	16.	The three	e employees	who are	smokers	should	be seate	d in	the	office
--	-----	-----------	-------------	---------	---------	--------	----------	------	-----	--------

- i. 1 2 4
- ii. 236
- iii. 1 2 3
- iv. 123

17. The ideal office for Mr. M would be

- i. 2
- ii. 6
- iii. 1
- iv. 3

18. In the event of what occurrence within a period of one month since the assignment of the offices would a request for a change in office be put forth by one or more employees?

- i. Mr D quitting smoking
- ii. Mr. T taking over duties formally taken care of by Miss R
- iii. The installation of a water cooler in Miss H?s office
- iv. Mr. B suffering from anemia

Direction for Qn 19-20

A robot moves on a graph sheet with x-y axes. The robot is moved by feeding it with a sequence of instructions. The different instructions that can be used in moving it, and their meanings are:

Instruction Meaning

GOTO(x,y) move to pt with co-ord (x,y) no matter where u are currently

WALKX(P) move parallel to x-axis through a distance of p, in the +ve direction if p is +ve and in ?ve if p is ?ve

WALKY(P) move parallel to y-axis through a distance of p, in the +ve direction if p is +ve and in ?ve if p is ?ve

19. The robot reaches point (5,6) when a sequence of 3 instr. Is executed, the first of which is GOTO(x,y), WALKY(2), WALKY(4). What are the values of x and y??

- i. 2,4
- ii. 0,0
- iii. 3.2
- iv. 2.3

20. The robot is initially at (x.y), x>0 and y<0.>

i. 2

ii. 1

iii. x + y

iv. 0

Direction for Qn 21-23

Ten coins are distr. Among 4 people P, Q, R, S such that one of them gets a coin, another gets 2 coins,3rd gets 3 coins, and 4th gets 4 coins. It is known that Q gets more coins than P, and S gets fewer coins than R

21. If the no. of coins distr. To Q is twice the no. distr. to P then which one of the foll. is necessarily true?

- i. R gets even no. of coins
- ii. R gets odd no. of coins
- iii. S gets even no. of coins
- iv. S gets odd no. of coins

22. If R gets at least two more coins than S which one of the foll is necessarily true?

- i. Q gets at least 2 more coins than S
- ii. Q gets more coins than P
- iii. P gets more coins than S
- iv. P and Q together get at least five coins

23. If Q gets fewer coins than R, then which one of the foll. is not necessarily true?

- i. P and Q together get at least 4 coins
- ii. Q and S together get at least 4 coins
- iii. R and S together get at least 5 coins
- iv. P and R together get at least 5 coins

Direction for Qn 24-25

Elle is 3 times older than Zaheer. Zaheer is ? as old as Waheeda. Yogesh is elder than Zaheer.

24. What is sufficient to estimate Elle?s age?

- i. Zaheer is 10 yrs old
- ii. Yogesh and Waheeda are both older than Zaheer by the same no of yrs.
- iii. Both of the above
- iv. None of the above

25. Which one of the foll, statements can be inferred from the info above

- i. Yogesh is elder than Waheeda
- ii. Elle is older than Waheeda
- iii. Elle?s age may be less than that of Waheeda
- iv. None of the above

for GD they had asked to select ur own topic and give 5 min for that show ur participation there also that will help u to fatch some more marks

plz don?t select any easy topic like ?dowry system?, ?dress codes in collg? etc. because this gonna select only 1 or 2 candidate from ur group so try to take some good topic so that max can get cleared the GD

- Paper: Capgemini Placement Paper 25 July 2006 (Quantitative, Reasoning, Technical & HR)
- It consists of 3 round. (1) Written (2) Technical Interview (3) HR Interview.
- Quantitative Section:
 - Q1. Find the nest term in series?

25 16 9 4 1 0 ?

Ans. (-1)2 = 1

- Q2. If (NM)2= RRM where N.M & R are distinct digits. Then possible values for R are
- (a) 1 (b) 2 (c) 3 (d) none of these

Ans (b) -2

- Q3. A man buys spirit at Rs. 60 per letter, adds water to it and then sells it at Rs. 75 per litter. What is the ratio of spirit to water if his profit in the feal is 37.5%?
- (a) 9:1 (b) 10:1 (c) 11:1 (d) None of these.

Ans (b) 10.1

- Q4. A certain quantity of petrol is found to be adulterated to the extent of 10%. What proportion of the adulterated petrol should be replaced with pure petrol to take the purity level to 98%?
- (a) 80% (b) 32% (c) 66.67% (d) cannot be determined.

Ans (a) 80%

- Q5. Two trains are traveling from point A to point B such that the speed of first train is 65 kmps and the speed of 2 train is 29 kmph. Where is the distance b/w A&B such that the slower train reached 5 hrs late compared to the faster.
- Q6. A motorboat whose speed is 15 kmph in still water goes 30 kmph downstream and comes back in a total of 4hrs 30min the speed of the stream in kmph is (5kmph).

Logical Reasoning Section:

- 1. There is a family of six persons P,Q,R,S,T and U.They are Lawyer, Doctor, Teacher, Salesman, Engineer and Accountant. There are two married couples in the family. S, the salesman is married to the Lady Teacher. The Doctor is married to the Lawyer U, The Accountant is the son of Q and brother of T. R, the Lawyer is the daughter-in-law of P. T is the unmarried Engineer. P is the Grandmother of U. Which is the profession of P?
- a)Lawyer b)Teacher c)Doctor d)Accountant
- Q:2 My mother gave me money to buy stamps of price 2paisa, 7 paisa, 15 paisa, 10paisa and 20 paisa. I had to buy 5 each of three types and 6 each of the other 2 types . But on my way to the post office i forgot how many of stamps of each type were to be brought . My mother had given me rupees 3. So i had no problem in finding out the exact amount of each one . Can you tell me which stamps were 5 in number , n whice were 6 in number
- Ans . 5 stamps each of 2paisa, 7 paisa, 15 paisa
- Q:3 A man traveled a certain distance at the rate of 15 miles an hour and came back at the rate of 10 miles an hour. What is his average speed?
- Ans . 12 miles an hour
- Q. Salad problem.. Four girls Robin, Mandy, Stacy, Erica of four families Miller, Jacob, Flure and Clark prepare four salads using the fruits Apples cherries bananas, grapes .Each girls uses 3 fruits in her salad. No body have the same combination.
- 1) Robin not a Miller girl uses apples.
- 2) Miller and Mandy uses apples and cherries.
- 3) Clark uses cherries and grapes but Flure uses only one of them.
- 4)Erica is not Clark nor Flure. htt

Then 4 questions asked.

- 1. Which is robins family:
- a. Miller b. Jacob c.Flure d.Clark
- 2. Which fruit is not used by Mandy? aa

b. Grapes
c. Apples
d. Bananas
3. Which is the combination by Erica?
a. Apples, cherries, Bananas
b. Apples, Cherries, Grapes
c. Apples, Grapes, Bananas
d. Cherries, Grapes, Bananas
4. Which is robin's fruit combination?
a. Apples, cherries, Bananas
b. Apples, Cherries, Grapes
c. Apples, Grapes, Bananas
d. Cherries, Grapes, Bananas
q5. Relation Related questions an blood relation.
q6. Conclusion of Sentences-Base question.
q7. Refer to the following data & Ans was the following questions.
SLIDE
(-) D E A N
3 6 5 1
each of 7 digits from 1,2,3,4,5,6 & 9 is represented by letter in the subtraction of problem above.
Q7. (a) Which letter is represented by the number "3"
Ans : Solution:-
3 6 5 1
(+) D E A N
SLIDE

a. Cherries

It is given in the question that each of 7 digits 1,2,3,4,5,6 & 9 is represented by a. Different letter in the above problem it is clear that 3+D+carry [If any] is equal to SL. But as it is clear that highest sum of there given no. can be (9+6+1)=16 so S=1

Now it is also clear that D is either 6 or 9 but D cannot be 6, because in that case L, is equal to 0, which is not possible.

So D = 9

Now from that it is clear that L Letter is either 2 or 3 & A=4, It is also clear that E cannot be equal to 5,4,3,2,1

So E=6

Now we can help of above conclusions.

Ans. to question no.

- (a) = L
- (b) Which letter is represented by the no "5"?

Ans (b) N

(c) Which no is presented by the letter "E"?

Ans. (d) 6

(d) Which letter is presented by the no "6"

Ans. E

(e) Which letter is presented by the no "1"

Ans. S

You have to be quick in solving them, because thy are bit tricky & time consuming part.

Verbal Section

It is the easiest part, only when you are familiar with words. So start learning Barron's Wordlist. Q. (1) Choose the word closest in meaning to the given word?

- (1) Dudgeon?
- (a) Resentment (b) Small fish (c) Under ground cell

- (II) Eviscerate
- (1) Disembowel (b) Bigfoot Into (c) extract (d) make less
- Q. 2. There was one passage related to agriculture and development. In (b/w) the sentences No's in sequence was potted and given below was, which word most appropriately fits in it.

Q1. Find the next term in series?

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salesman is married to the Lady Teacher. The Doctor is married to the Lawyer U, The Accountant is the son of Q and brother of T. R, the Lawyer is the daughter-in-law of P. T is the unmarried Engineer. P is the Grandmother of U. Which is the profession of P?

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- b. Grapes
- c. Apples
- d. Bananas
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- a. Apples, cherries, Bananas
- b. Apples, Cherries, Grapes

- c. Apples, Grapes, Bananas
- d. Cherries, Grapes, Bananas

4. Which is robin's fruit combination?

- a. Apples, cherries, Bananas
- b. Apples, Cherries, Grapes
- c. Apples, Grapes, Bananas
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- q5. Relation Related questions an blood relation.
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SLIDE

(-) D E A N

3651

each of 7 digits from 1,2,3,4,5,6 & 9 is represented by letter in the subtraction of problem above.

Q7. (a) Which letter is represented by the number "3"

Ans: Solution:-

3651

(+) D E A N

SLIDE

It is given in the question that each of 7 digits 1,2,3,4,5, 6 & 9 is represented by a. Different letter in the above problem it is clear that 3+D+carry [If any] is equal to SL. But as it is clear that highest sum of there given no. can be (9+6+1)=16 so S=1

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Now from that it is clear that L Letter is either 2 or 3 & A=4, It is also clear that E cannot be equal to 5,4,3,2,1

So E=6

Now we can help of above conclusions.

Ans. to question no.

- (a) = L
- (b) Which letter is represented by the no "5"? Ans (b) N
- (c) Which no is presented by the letter "E"? Ans. (d) 6
- (d) Which letter is presented by the no "6" Ans. E
- (e) Which letter is presented by the no "1" Ans. S

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