



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

units digit in expansion os 2 raised to 51 is: 2 4 6 8

Find min value of fn: $|-5-x| + |2-x| + |6-x| + |10-x|$; where x is an integer 0 17 23 19

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

what is the diffrent between income statement and balancesheet

1. 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? a)2kg b) 2.4kg c) 2.5kg d) none Answer. C 2. 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 a)144 b)168 c)192 d) none Answer. C 3. 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 a)1 b)2 c)3 d)4 Answer. C 4. If $1 = \frac{3}{4}(1 + \frac{y}{x})$ then i. $x=3y$ ii. $x=y/3$ iii. $x=(2/3)y$ iv. none Answer. A 5. The sum of six consecutive odd nos. is 888. What is the average of the nos.? i. 147 ii. 148 iii. 149 iv. 146 Answer. B 6. if $x-y + z = 19$, $y + z = 20$, $x-z=3$, find d value of $x+4y-5z$ a)22 b)38 c)17 d) none 7. Find approx value of $39.987/0.8102 + 1.987*18.02$ a)72 b)56 c)86 d)44 Answer. C 8. 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 a)10 b)17 c)15 d) none Answer. D



1. Find min value of fn: $|-5-x| + |2-x| + |6-x| + |10-x|$; where x is an integer a)0 b)17 c)23 d)19
2. units digit in expansion of 2 raised to 51 is: a)2 b)4 c)6 d)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. $(8*76+19*?-60) / (?*7*12+3-52)=1$ a)5 b)2 c)1 d)3
5. 45 grinders brought @ 2215/- .transport expense 2190/- .2760/- on octroi. Find SP/piece to make profit of 20% a)2585 b)2225 c)2670 d)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. a)24 b)46 c)42 d)none
7. if $x-y + z = 19$, $y + z = 20$, $x-z=3$, find d value of $x+4y-5z$ a)22 b)38 c)17 d)none
8. Find approx value of $39.987/0.8102+1.987*18.02$ a)72 b)56 c)86 d)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? a)2.1L b)22.1L c)4.1L d)none
10. If 70% of a no. is subtracted from itself it reduces to 81. what is two fifth of that no.? a)108 b)54 c)210 d)none
11. If a certain sum of money at SI doubles itself in 5 yrs then what is d rate? a)5% b)20% c)25% d)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? a)16 b)20 c)24 d)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 a)6 b)4 c)10 d)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? a)2kg b) 2.4kg c) 2.5kg d)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 a)144 b) 168 c) 192 d) 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 a)10 b) 17 c) 15 d) 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 a)1 b)2 c)3 d)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? a)Jack b)Sandy c)they tie d)Impossible to tell
21. 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 i. Rs 10 2) 19 3) 0 4) 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? a)14 b)20 c)22 d)5 sec

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23. If $1 = \frac{3}{4}(1 + \frac{y}{x})$ 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. $1010/104 \times 102 = 10$? i. 8 ii. 6 iii. 4 iv. none

*) how many prime numbers r between 1 to 100? (ans :-25 (1 is not prime))

*) a problem on speed, distance, time like superman flies at 25mph, spiderman flies at 15mph and phantom take 2 hrs to fly from NY to DC. If speed of spiderman is twice that of phantom and distance between NY to DC is same as distance between NY to Washington (I don't remember it well) there where couple of question like

*) what is the distance between NY and DC?

*) how long will superman take to travel from dc to Washington and back?

*) I donno remember the 3rd ?

) the largest no between $(7)-(2)$, $(3)+(4)$, $2(2)$, $6+(2)(X) = \text{square root of } X$

*) Arrange some numbers in descending order?

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

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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 $\frac{1}{2}$ 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

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- 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

1. 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

2. 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

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144 / 168 / 192 / none

3. 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

4. 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 time, who'll finish 1st

Jack/Sandy/they tie/Impossible to tell

5. 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

i. Rs 10 / 19 / 0 / 55

6. 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 time?

14/20/22/5 sec

7. If $1 = \frac{3}{4}(1 + \frac{y}{x})$ then

i. $x=3y$

ii. $x=y/3$

iii. $x=(2/3)y$

iv. none



8. The sum of six consecutive odd nos. is 888. What is the average of the nos.?

- i. 147
- ii. 148
- iii. 149
- iv. 146

9. 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.

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

- i. Miss H
- ii. Mr. M
- iii. Mr. T
- iv. Mr. D

b. The three employees who are smokers should be seated in the offices

- i. 1 2 4

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ii. 2 3 6

iii. 1 2 3

iv. 1 2 3

c. The ideal office for Mr. M would be

i. 2

ii. 6

iii. 1

iv. 3

d. 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

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10. 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 of the following. 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

c. If Q gets fewer coins than R, then which one of the following 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

11. Elle is 3 times older than Zaheer. Zaheer is $\frac{1}{2}$ as old as Waheeda. Yogesh is elder than Zaheer.

a. 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



b. 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

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 the 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

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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

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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

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