There are 6 boxes numbered 1, 2,...6. Each box is to be

filled up either with a red or a green ball in such a way

that at least 1 box contains a green ball and the boxes

containing green balls are consecutively numbered.

The total number of ways in which this can be done is

|  |  |
| --- | --- |
| A | 5 |
| B | 21 |
| C | 33 |
| D | 60 |
| **Question 2** | |

In how many ways can 7 different balls be distributed in

5 different boxes if any box can contain any number of

balls and no box is left empty?

|  |  |
| --- | --- |
| A | 16800 |
| B | 12400 |
| C | 22000 |
| D | 19700 |

|  |
| --- |
| **Question 3** |

In how many ways can 7 different balls be distributed in 5 different

boxes if box 3 and box 5 can contain only one and two number of

balls respectively and rest of the boxes can contain any number

of balls?

|  |  |
| --- | --- |
| A | 10100 |
| B | 6200 |
| C | 8505 |
| D | 12800 |
| **Question 4** | |

Five balls need to be placed in three boxes. Each box can hold

all the five balls. In how many ways can the balls be placed

in the boxes so that no box remains empty If all balls and

boxes are identical but the boxes are placed in a row?

|  |  |
| --- | --- |
| A | 2 |
| B | 4 |
| C | 6 |
| D | 1 |

|  |
| --- |
| **Question 5** |

In how many ways can 10 software engineers and 10 civil engineers

be seated around a round table so that they are positioned alternatively?

|  |  |
| --- | --- |
| A | 9! × 10! |
| B | 10! × 10! |
| C | 2 × (10!)^2 |
| D | 2 × 9! × 10! |
| **Question 6** | |

A box contains 20 balls. In how many ways can 8 balls be selected

if each ball can be repeated any number of times?

|  |  |
| --- | --- |
| A | 20C7 |
| B | None of these |
| C | 20C8 |
| D | 27C8 |

|  |
| --- |
| **Question 7** |

In a chess competition involving some boys and girls,every

student had to play exactly one game with every other student.

It was found that in 45 games both the players were girls,

and in 190 games both were boys.Then in how many number of

games there was one player boy and the other was a girl?

|  |  |
| --- | --- |
| A | 40 |
| B | 200 |
| C | 180 |
| D | 120 |
| **Question 8** | |

There are 12 intermediate stations between two places A and B.

Find the number of ways in which a train can be made to stop

at 4 of these intermediate stations so that no two stopping

stations are consecutive?

|  |  |
| --- | --- |
| A | 108 |
| B | 112 |
| C | 126 |
| D | 140 |

|  |
| --- |
| **Question 9** |

There are 6 boxes numbered 1,2,...,6. Each box needs to be filled up

either with a red or a blue ball in such a way that at least

1 box contains a blue ball and the boxes containing blue balls

are consecutively numbered. The total number of ways in which

this can be done is

|  |  |
| --- | --- |
| A | 24 |
| B | 23 |
| C | 21 |
| D | 18 |
| **Question 10** | |

There are three places P, Q and R such that 3 roads connect P

and Q and 4 roads connects Q and R. In how many ways can one

travel from P to R?

|  |  |
| --- | --- |
| A | 8 |
| B | 101 |
| C | 12 |
| D | 14 |

A set of football matches is to be organized in a "round-robin"

fashion, i.e., every participating team plays a match against

every other team once and only If 21 matches are totally played,

how many teams participated?

|  |  |
| --- | --- |
| A | 6 |
| B | 9 |
| C | 8 |
| D | 7 |
| **Question 2** | |

There are 16 hockey teams. find : Number of matches when

knockout of 16 team is to be played?

|  |  |
| --- | --- |
| A | 14 |
| B | 15 |
| C | 16 |
| D | 17 |

|  |
| --- |
| **Question 3** |

15 tennis players take part in a tournament. Every player plays

twice with each of his How many games are to be played?

|  |  |
| --- | --- |
| A | 190 |
| B | 200 |
| C | 210 |
| D | 220 |
| **Question 4** | |

If a refrigerator contains 12 cans such that 7 blue cans and

5 red cans. In how many ways can we remove 8 cans so that

atleast 1 blue can and 1 red can remains in the refrigerator?

|  |  |
| --- | --- |
| A | 450 |
| B | 455 |
| C | 544 |
| D | 500 |

|  |
| --- |
| **Question 5** |

In a cycle race there are 5 persons named as J, K, L, M, N

participated for 5 positions so that in how many number of ways

can M make always before N?

|  |  |
| --- | --- |
| A | 60 |
| B | 70 |
| C | 80 |
| D | 90 |
| **Question 6** | |

There are 16 people, they divide into four groups, now from

those four groups select a team of three members, such that no

two members in the team should belong to same group.

|  |  |
| --- | --- |
| A | 256 |
| B | 245 |
| C | 287 |
| D | 265 |

|  |
| --- |
| **Question 7** |

Tennis players take part in a Every player plays twice with

each of his opponents. How many games are to be played?

|  |  |
| --- | --- |
| A | 254 |
| B | 287 |
| C | 266 |
| D | 210 |
| **Question 8** | |

How many ways can one arrange the word EDUCATION such that a

relative position of vowels and consonants remains same?

|  |  |
| --- | --- |
| A | 2884 |
| B | 2880 |
| C | 2886 |
| D | 2889 |

|  |
| --- |
| **Question 9** |

There are 8 digits and 5 alphabets. In how many ways can you

form an alphanumeric word using 3 digits and 2 alphabets?

|  |  |
| --- | --- |
| A | 12984 |
| B | 23433 |
| C | 43200 |
| D | 23412 |
| **Question 10** | |

A college has 10 basketball players. A 5-member team and a

captain will be selected out of these 10 How many different

selections can be made?

|  |  |
| --- | --- |
| A | 1260 |
| B | 210 |
| C | 10C6 \* 6! |
| D | 10C5 \* 6 |

there are 6 credit cards and 4 debit cards.In how many ways

5 credit cards and 3 debit cards can be selected?

|  |  |
| --- | --- |
| A | 24 |
| B | 25 |
| C | 30 |
| D | 36 |
| **Question 2** | |

6 members have to be selected from different field.10 from java,

5 from microsoft,8 from oracle,2 from IBM .What is the

possible combination?

|  |  |
| --- | --- |
| A | 25C5 |
| B | 25C6 |
| C | 35C5 |
| D | none |

|  |
| --- |
| **Question 3** |

if a die has 1 6 and 3 4 and 2 5 opposite each other how many such dies can be made

|  |  |
| --- | --- |
| A | 12 |
| B | 14 |
| C | 26 |
| D | 45 |
| **Question 4** | |

7 members have to be selected from 12 men and 3 women ,

Such that no two women can come together. In how many ways

we can select them ?

|  |  |
| --- | --- |
| A | 3 |
| B | 2 |
| C | 4 |
| D | 7 |

|  |
| --- |
| **Question 5** |

Find the number of different meals of 4 items that you can

get from the given menu of 6 items and no need to choose different items.

|  |  |
| --- | --- |
| A | 120 |
| B | 126 |
| C | 5040 |
| D | 15 |
| **Question 6** | |

In how many ways can 4 men and 3 women can arrange with a

condition that each men should not sit together and they

must be in the order of their age.

|  |  |
| --- | --- |
| A | 210 |
| B | 5040 |
| C | 120 |
| D | none |

|  |
| --- |
| **Question 7** |

A shop has 4 shelf, 3 wardrobes, 2 chairs and 7 tables for sell.

You have to buy

a. 1 shelf

b. 1 wardrobe

c. either 1 chair or 1 table

How many selection can be made?

|  |  |
| --- | --- |
| A | 12 |
| B | 108 |
| C | 122 |
| D | 98 |
| **Question 8** | |

In how many ways can the letters in mmmnnnppqq can be

arranged with two n's together?

|  |  |
| --- | --- |
| A | 7690 |
| B | 4580 |
| C | 7560 |
| D | none |

|  |
| --- |
| **Question 9** |

How many such letter-pairs are there in the word BONAFIDE having

same number of letters left between them as they have in the series?

|  |  |
| --- | --- |
| A | 2 |
| B | 3 |
| C | 4 |
| D | 1 |
| **Question 10** | |

How many such letter-pairs are there in the word SERVANT having

the same no. of letters left between them in the word as

they have in the series?

|  |  |
| --- | --- |
| A | 2 |
| B | 3 |
| C | 4 |
| D | 5 |

There are 10 questions to complete.

If all the possible words using the letters of the word

‘SMART’ are formed without repetition and arranged in

alphabetical order, what will be the position of the word ‘MASRT’?

|  |  |
| --- | --- |
| A | 27 |
| B | 37 |
| C | 30 |
| D | 38 |
| **Question 2** | |

What is the probability that Kavi while randomly placing 3 keys

(each intended for a particular lock) in 3 different key chains

will use exactly one of those keys wrongly to unlock a particular lock?

|  |  |
| --- | --- |
| A | 1/3! |
| B | 1/3! |
| C | 1/3 |
| D | 0 |
| E | wrong |

|  |
| --- |
| **Question 3** |

A coin is tossed 3 times. Find the probability of getting

at least two heads?

|  |  |
| --- | --- |
| A | 3/4 |
| B | 5/8 |
| C | 1/2 |
| D | 3/8 |
| **Question 4** | |

The probability that Suresh team will win the match is 30%

and the probability that his friend Siva team will win the

match is 70%. What is the probability that exactly one of

them will win the match?

|  |  |
| --- | --- |
| A | 78% |
| B | 58% |
| C | 50% |
| D | 37.5% |

|  |
| --- |
| **Question 5** |

From a bag with 6 Sandisk, 5 HP, 4 Transcend pen drives.

What is the probability that all the 2 selected pen drives

are Sandisk?

|  |  |
| --- | --- |
| A | 1/9 |
| B | 1/21 |
| C | 1/7 |
| D | none |
| **Question 6** | |

Find the sum of all 4 - digit numbers formed by taking all

the digits 1,2,5,7?

|  |  |
| --- | --- |
| A | 99099 |
| B | 99990 |
| C | 99900 |
| D | 99909 |

|  |
| --- |
| **Question 7** |

If all the possible words using the letters of the word ‘CART’

are formed without repetition and arranged in alphabetical order,

what will be the position of the word ‘CTRA’?

|  |  |
| --- | --- |
| A | 12 |
| B | 14 |
| C | 10 |
| D | 6 |
| **Question 8** | |

If two different numbers are randomly selected from the

first 8 natural numbers, what is the probability that the

sum of the selected numbers will be multiple of 3?

|  |  |
| --- | --- |
| A | 5/43 |
| B | 9/28 |
| C | 2/45 |
| D | 1/45 |
| E | 5/14 |

|  |
| --- |
| **Question 9** |

22 students attended a party where every student has to dance

with every other student. How many pair dances will be possible?

|  |  |
| --- | --- |
| A | 178 |
| B | 153 |
| C | 194 |
| D | 231 |
| **Question 10** | |

The number of ways of providing 6 different flowers among 4 pairs

of lovers (P,Q,R,S) such that P and Q gets 1 flower each

and R and S get 2 flowers each is

|  |  |
| --- | --- |
| A | 6! / (2!\*6!) |
| B | 180 |
| C | 6! / (4\*2) |
| D | 6c4 |

There are 10 questions to complete.

**.**

A man X selects a random number from 1 to 1000 and another man

Y selects a random number from 1 to 1000. What is the probability

of Y getting a number equal to what X has selected?

|  |  |
| --- | --- |
| A | 1/1000 |
| B | 2/1000 |
| C | 1/2000 |
| D | 2/2000 |
| **Question 2** | |

From a railway station, trains leave for every 15 minutes and

25 minutes to city A and city B respectively. The first train to

city A and city B start at 9 am and 10.15 am respectively.

If a man arrives at the station in between 11.25 am and 12.25 pm

then the probability of getting train for city A is:

|  |  |
| --- | --- |
| A | 1/4 |
| B | 4/7 |
| C | 3/5 |
| D | 2/5 |

|  |
| --- |
| **Question 3** |

A man X selects a random number from 1 to 1000 and another

man Y selects a random number from 1 to 1000. Then what is

the probability of Y getting a number unequal to what X has

selected?

|  |  |
| --- | --- |
| A | 1 |
| B | 0 |
| C | 999/1000 |
| D | 1/1000 |
| **Question 4** | |

A man has to go to both Pune and Mumbai. He decides to go by

whichever first train he encounters. The first train towards

Pune is at 8:00 am and the frequency of Pune trains is 10 minutes.

The first train towards Mumbai is at 8:10 am and the frequency of

Mumbai trains is 15 minutes. Assume that the man arrives at the

railway station at a particular time between 8 and 9 am. What

should be his exact arrival time at the station that will leave

him really confused on whether to go Pune or Mumbai?

|  |  |
| --- | --- |
| A | 9.00am |
| B | 9.10am |
| C | 8.40am |
| D | 8.25am |

|  |
| --- |
| **Question 5** |

From a railway junction RJ, trains leave from platforms

P and Q for every 20 minutes and 30 minutes respectively.

Assume all the trains travel at constant speed. The service

from platform P starts at 6.00am and the service from platform

Q at 6.05 am. Assume that you are waiting at a nearby station.

Any train from RJ would require 5 minutes to reach your station.

Now, what is the probability that you will be able to board a

train from P in between 6 and 6.30 am?

|  |  |
| --- | --- |
| A | 2/3 |
| B | 1/3 |
| C | 1 |
| D | 1/4 |
| **Question 6** | |

There are N coins on a table. There are two players A&B.

You can take 1or 2 coins at a time. The person who takes

the last coin is the loser. An always starts first. A can

win by proper play if N is equal to

|  |  |
| --- | --- |
| A | 13 |
| B | 37 |
| C | 22 |
| D | 34 |
| E | 48 |

|  |
| --- |
| **Question 7** |

There are 6 boxes numbered 1, 2, ... 6. Each box is to be

filled up either with a red or a green ball in such a way

that at least 1 box contains a green ball and the boxes

containing green balls are consecutively numbered.

The total number of ways in which this can be done is:

|  |  |
| --- | --- |
| A | 5 |
| B | 21 |
| C | 33 |
| D | 60 |
| E | 6 |
| **Question 8** | |

Bag x contains 3 red and 5 black balls and bag y contains

4 red and 4 black balls. One bag is selected at random and

from the selected bag one ball is drawn. What is the probability

that the ball drawn is red?

|  |  |
| --- | --- |
| A | 7/8 |
| B | 7/16 |
| C | 3/16 |
| D | 4/5 |
| E | 9/16 |

|  |
| --- |
| **Question 9** |

Six persons A,B,C,D,E &F went to soldier cinema. There are six

consecutive seats. A sits in the first seat followed by B, followed

by C and so on. If A taken on of the six seats, then B should sit adjacent

to A. C should sit adjacent to A or B. D should sit adjacent to A, B or C

and so on. How many possibilities are there ?

|  |  |
| --- | --- |
| A | 32 |
| B | 33 |
| C | 12 |
| D | 19 |
| **Question 10** | |

Two guys are tossing coin with a bet of $1 for each game. After

some tosses., one  guy earned $3 while the other won three times.

How many games do they play.

|  |  |
| --- | --- |
| A | 9 |
| B | 12 |
| C | 17 |
| D | 19 |

There are 1000 junior and 800 senior students in a class.

And there are 60 sibling airs where each pair has 1 junior

and 1 senior. One student is chosen from senior and 1 from

junior randomly.What is the probability that the two selected

students are from a sibling pair?

|  |  |
| --- | --- |
| A | 714 / 80000 |
| B | 74 / 8000 |
| C | 814 / 80000 |
| D | 914 / 80000 |
| **Question 2** | |

In a cycle race there are 5 persons named as J,K,L,M,N participated

for 5 positions so that in how many number of ways can M finishes

always before N?

|  |  |
| --- | --- |
| A | 130 |
| B | 60 |
| C | 120 |
| D | 170 |

|  |
| --- |
| **Question 3** |

How many five digit numbers are there such that two left most digits are

even and remaining are odd and digit 4 should not be repeated?

|  |  |
| --- | --- |
| A | 2376 |
| B | 2476 |
| C | 1245 |
| D | 2375 |
| **Question 4** | |

A Jar contains 18 balls. 3 blue balls are removed from the

jar and not replaced.Now the probability of getting a blue ball

is 1/5 then how many blue balls jar contains initially?

|  |  |
| --- | --- |
| A | 11 |
| B | 9 |
| C | 7 |
| D | 6 |

|  |
| --- |
| **Question 5** |

6, 10, 14, 22, 26, 34, 38, 46, \_ ? what is next term in the series.

|  |  |
| --- | --- |
| A | 56 |
| B | 48 |
| C | 49 |
| D | 58 |
| **Question 6** | |

 A shop has 4 shelf, 3 wardrobes, 2 chairs and 7 tables for sell.

You have to buy1shelf b. 1 wardrobe c. either 1 chair or 1 table.

How many selection can be made?

|  |  |
| --- | --- |
| A | 108 |
| B | 208 |
| C | 105 |
| D | 99 |

|  |
| --- |
| **Question 7** |

There are 6561 balls out of them 1 is heavy.Find the min. no.

of times the balls have to be weighed for finding out the haevy ball?

|  |  |
| --- | --- |
| A | 12 times |
| B | 14 times |
| C | 9 times |
| D | 8 times |
| **Question 8** | |

Question related to probabilities of removing the red ball from a basket,

given that two balls are removed from the basket and the other ball is red.

The basket contains blue,red,yellow balls?

|  |  |
| --- | --- |
| A | 3/5 |
| B | 4/5 |
| C | 7/5 |
| D | 4/5 |

|  |
| --- |
| **Question 9** |

Persons A and B. Person A picks a random no. from 1 to 1000.

Then person B picks a random no. from 1 to 1000. What is the

probability of B getting no. greater then what A has picked?

|  |  |
| --- | --- |
| A | 3/4 |
| B | 2/2 |
| C | 2/1 |
| D | 1/2 |
| **Question 10** | |

There are six cards in which it has two king cards.

all cards are turned down and two cards are opened.

a) What is the possibility to get at least one king?

|  |  |
| --- | --- |
| A | 3/5 |
| B | 4/5 |
| C | 6/2 |
| D | none |

|  |
| --- |
| **Question 11** |

There are six cards in which it has two king cards.

all cards are turned down and two cards are opened.

|  |  |
| --- | --- |
| A | 3/4 |
| B | 1/7 |
| C | 1/6 |
| D | 1/5 |

There are 11 questions to complete.

A coin is so unbalanced that it may come both heads in 2 tosses as

it may come tails in a single toss. What is the probability of getting

a head in a single toss?

|  |  |
| --- | --- |
| A | 2/41 |
| B | 1/2 |
| C | 2/6 |
| D | none |
| **Question 2** | |

There are 19 red balls and one black ball. Ten balls are put in

one jar and the remaining 10 are put in another jar. What is the

possibility that the black is in the right jar.

|  |  |
| --- | --- |
| A | 2/2 |
| B | 1/2 |
| C | 2/3 |
| D | 3/4 |

|  |
| --- |
| **Question 3** |

A cube, which is painted red on all its sides, is cut into 27 cubes

with three straight cuts. Now how many cubes have  No red face?

|  |  |
| --- | --- |
| A | 0 |
| B | 2 |
| C | 1 |
| D | 2 |
| **Question 4** | |

A cube, which is painted red on all its sides, is cut into 27

cubes with three straight cuts. Now how many cubes have 1 red face ?

|  |  |
| --- | --- |
| A | 8 |
| B | 6 |
| C | 4 |
| D | 1 |

|  |
| --- |
| **Question 5** |

There are containing 5 , 7 , 14 , 16 , 18 , 29 balls of either red or

blue in colour. Some boxes contain only red balls and others contain

only blue . One sales man sold one box out of them and then he says

" I have the same number of red balls left out as that of blue ".

Which box is the one he solds out ?

|  |  |
| --- | --- |
| A | 30 |
| B | 35 |
| C | 46 |
| D | 50 |
| **Question 6** | |

Two people are playing with a pair of dies. Instead of numbers, the

dies have different colors on their sides. The first person wins if the same

color appears on both the dies and the second person wins if the colors are

different. The odds of their winning are equal. If the first dice has 5 red sides

and 1 blue side, find the color(s) on the second one?

|  |  |
| --- | --- |
| A | 3red,4blue |
| B | 9red,3blue |
| C | 5red,3blue |
| D | 3red,7blue |

|  |
| --- |
| **Question 7** |

There are 17 brown ties,13 red ties, 9 green ties, 5 blue ties and

2 white ties.Then a man takes a tie. so, how many times he at least

take tie to get the 2 ties In same colour?

|  |  |
| --- | --- |
| A | 6 |
| B | 7 |
| C | 6 |
| D | 0 |
| **Question 8** | |

Mrs. Barbinger bought some plates on Saturday for $1.30, when everything

was being sold two cents below the regular price. She exchanged those plates

on Monday, at their regular price, for cups & saucers. Cost of one

plate equals cost of one plate & one saucer. She returned home

with 16 more articles than before. Since, saucers cost only 3

cents each, she bought 10 more saucers than cups. The puzzle is,

how many cups could she have bought on Saturday, for $1.30?

|  |  |
| --- | --- |
| A | 19 cups |
| B | 14 cups |
| C | 13 cups |
| D | 16 cups |

|  |
| --- |
| **Question 9** |

My rack contains 8 Red colour ties, 13 violate colour ties,10 Blue

colour ties, 5 Pink colour ties, 4 green colour ties. If electricity

gone and i want at least two ties of same colour then how many ties

i should take out from my rack?

|  |  |
| --- | --- |
| A | 5 |
| B | 6 |
| C | 8 |
| D | 9 |
| E | 14 |
| **Question 10** | |

There is a cube, which has to be inscribed with the following pair of

numbers on opposite sides.1 and 6, 2 and 4,3 and 5.

How many different ways can it be done?

|  |  |
| --- | --- |
| A | 37,41 |
| B | 41,37 |
| C | 40,45 |
| D | 96,12 |

There are 10 questions to complete.

A shopkeeper has 13 washing machines out of which 5 are defective.

A customer buys 3 washing machine. What is the probability that

exactly one machine is defective?

|  |  |
| --- | --- |
| A | 1/20 |
| B | 1/5 |
| C | 70/143 |
| D | 35/143 |
| **Question 2** | |

What is the probability of getting two balls from either yellow

or green from 2 yellow, 3 green and 2 blue balls.

|  |  |
| --- | --- |
| A | 10/21 |
| B | 8/21 |
| C | 18/21 |
| D | 20/21 |

|  |
| --- |
| **Question 3** |

Two persons A and B appeared in an interview for two vacancies

for the same post. The probability of A’s selection is 1/7 and

that of B is 1/5. What is the probability that only one of them

are selected ?

|  |  |
| --- | --- |
| A | 1/7 |
| B | 1/35 |
| C | 2/7 |
| D | 3/21 |
| **Question 4** | |

The probability of Ronaldo shooting a goal is ¾.He takes 5 shots

on the goal. What is the probability that he shoots a goal atleast 3 times?

|  |  |
| --- | --- |
| A | 279/512 |
| B | 371/464 |
| C | 471/502 |
| D | 459/512 |

|  |
| --- |
| **Question 5** |

A man has 53 socks in his drawer: 21 identical blue, 15 identical

black and 17 identical red. The lights are fused and he is completely

in the dark. How many socks must he take out to make 100 percent

certain he has a pair of black socks?

|  |  |
| --- | --- |
| A | 35 |
| B | 40 |
| C | 45 |
| D | 50 |
| **Question 6** | |

Rohit buys 12 bulbs out of which 6 are defective, his brother

chooses 3 bulbs at random for three sockets in a room. Find the

probability that the room is lighted.

|  |  |
| --- | --- |
| A | 10/11 |
| B | 10/9 |
| C | 8/10 |
| D | 9/10 |

|  |
| --- |
| **Question 7** |

A Jar contains 18 3 blue balls are removed from the jar and not

replaced. Now the probability of getting a blue ball is 1/5 then

how many blue balls jar contains initially ?

|  |  |
| --- | --- |
| A | 6 |
| B | 9 |
| C | 8 |
| D | 7 |
| **Question 8** | |

There are 1000 junior and 800 senior students in a class. And

there are 60 sibling pairs where each pair has 1 junior and 1 1

student is chosen from senior and 1 from junior randomly. What

is the probability that the two selected students are from a

sibling pair?

|  |  |
| --- | --- |
| A | 7140/800000 |
| B | 800000/7140 |
| C | 7240/800000 |
| D | 7340/800000 |

|  |
| --- |
| **Question 9** |

Rohit buys 12 bulbs out of which 6 are defective, his brother

chooses 3 bulbs at random for three sockets in a room. Find the

probability that the room is

|  |  |
| --- | --- |
| A | 0.7 |
| B | 0.8 |
| C | 0.9 |
| D | 1.0 |
| **Question 10** | |

The probability of Ronaldo shooting a goal is 3/4 . He takes 5

shots on the What is the probability that he shoots a goal

atleast 3 times?

|  |  |
| --- | --- |
| A | 291/364 |
| B | 371/464 |
| C | 471/502 |
| D | 459/512 |

A single letter is drawn at random from the word."ASPIRATION",

the probability that it is a vowel is?

|  |  |
| --- | --- |
| A | 2/4 |
| B | 1/2 |
| C | 6/2 |
| D | none |

|  |
| --- |
| **Question 2** |

Two dice are thrown simultaneously. What is the probability

that the sum of the numbers shown on the two dices will be

a prime number?

|  |  |
| --- | --- |
| A | 7/89 |
| B | 4/36 |
| C | 8/36 |
| D | 36/8 |

|  |
| --- |
| **Question 3** |

There are 4 baskets. The first basket has 3 apples and 4 oranges,

the second one has 4 apples and 5 mangoes, the third one has

6 Mangoes and 2 bananas and the last one has 7 bananas and 2 apples.

If a fruit is randomly chosen from any basket and it comes out

to be an apple, then what is the probability that it was taken

out from the second basket?

|  |  |
| --- | --- |
| A | 14/45 |
| B | 2/9 |
| C | 28/69 |
| D | none |

|  |
| --- |
| **Question 4** |

3 persons are standing at the middle of edges of a Triangle.

All the 3 persons starts moving at same time with same speed

in random direction What is the probability of meeting atleast

2 persons?

|  |  |
| --- | --- |
| A | 3/4 |
| B | 2/4 |
| C | 5/6 |
| D | none |

|  |
| --- |
| **Question 5** |

There is a school were 60% are girls and 35% of the girls are poor.

Students are selected at random, what is the probability of

selecting a poor girl out of total strength?

|  |  |
| --- | --- |
| A | 21/100 |
| B | 100/2 |
| C | 3/69 |
| D | 4/20 |

|  |
| --- |
| **Question 6** |

5 boys and 5 girls sit around a circular table.what is the

probability of 5 boys are sitting together

|  |  |
| --- | --- |
| A | 9 |
| B | 6 |
| C | 7 |
| D | 5 |

|  |
| --- |
| **Question 7** |

One student to pass the subject as probability 1/4. another man

to get driving licence and student passed subject probability 1/6.

find the probability man get driving licence.

|  |  |
| --- | --- |
| A | 1/3 |
| B | 2/3 |
| C | 4/9 |
| D | 3/36 |

|  |
| --- |
| **Question 8** |

marbles are to be distributed.Ann gets 1,Mary gets 2, Rose gets 3

and Lisa gets 4.John Brown gets as much as his sister.Tim Smith gets

2 times as much as his sister.Neil Johnson gets 3 times as much as

his sister.Sam Paul gets 4 times as much as his sister.Find the

surnames of Ann,Mary,Rose and Lisa

|  |  |
| --- | --- |
| A | 16 |
| B | 20 |
| C | 32 |
| D | 64 |

|  |
| --- |
| **Question 9** |

15 tennis players take part in a tournament. Every player

plays twice with each of his opponents. How many games are

to be played?

|  |  |
| --- | --- |
| A | 190 |
| B | 200 |
| C | 210 |
| D | 220 |
| E | 225 |

|  |
| --- |
| **Question 10** |

If a refrigerator contains 12 cans such that 7 blue cans

and 5 red cans. In how many ways can we remove 8 cans so

that atleast 1 blue can and 1 red can remains in the refrigerator.

|  |  |
| --- | --- |
| A | 458 |
| B | 455 |
| C | 416 |
| D | 220 |

An error 2% in excess is made while measuring the side

of a square. The percentage of error in the calculated

area of the square is:

|  |  |
| --- | --- |
| A | 1.04 |
| B | 2.04 |
| C | 3.04 |
| D | 4.04 |

|  |
| --- |
| **Question 2** |

If the length of a certain rectangle is decreased by 4 cm

and the width is increased by 3 cm, a square with the same

area as the original rectangle would result. Find the

perimeter of the original rectangle?

|  |  |
| --- | --- |
| A | 20 |
| B | 30 |
| C | 40 |
| D | 50 |

|  |
| --- |
| **Question 3** |

The length of a rectangle is twice its breadth. If its length

is decreased by 5 cm and breadth is increased by 5 cm, the

area of the rectangle is increased by 75 sq. cm. Find the

length of the rectangle.

|  |  |
| --- | --- |
| A | 10 cm |
| B | 15 cm |
| C | 20 cm |
| D | 18 cm |

|  |
| --- |
| **Question 4** |

The sector of a circle has the radius of 21 cm and central

angle 135o. Find its perimeter?

|  |  |
| --- | --- |
| A | 91.5 cm |
| B | 93.5 cm |
| C | 94.5 cm |
| D | 92.5 cm |
| E | None of these |

|  |
| --- |
| **Question 5** |

A plot has a concrete path within its borders on all sides

having the uniform width of 4m. The plot is rectangular with

sides 20m and 15m. The charge of removing concrete is Rs. 6 per sq.m.

How much is spent in removing all the concrete?

|  |  |
| --- | --- |
| A | Rs. 1548 |
| B | Rs. 1296 |
| C | Rs. 1500 |
| D | Rs. 1083 |

|  |
| --- |
| **Question 6** |

A tree breaks and falls to the ground such that its upper part

is still partially attached to its stem. At what height did it

break, if the original height of the tree was 24 cm and it makes

an angle of 30° with the ground?

|  |  |
| --- | --- |
| A | 12 cm |
| B | 8 cm |
| C | 9.5 cm |
| D | 7.5 cm |

|  |
| --- |
| **Question 7** |

A room is 8 meters long and 4 meters wide. How many paving stones each

measuring 2.5dm by 2dm are required to pave its floor?

|  |  |
| --- | --- |
| A | 700 |
| B | 720 |
| C | 640 |
| D | 810 |

|  |
| --- |
| **Question 8** |

The barrel of a fountain pen is cylindrical in shape which

radius of the base as 0.7 cm and is 5 cm long. One such barrel

in the pen can be used to write 300 words. A barrel full of ink

which has a capacity of 14 cu cm can be used to write how many

words approximately?

|  |  |
| --- | --- |
| A | 598 |
| B | 656 |
| C | 508 |
| D | 545 |
| E | 687 |

|  |
| --- |
| **Question 9** |

A vessel is in the form of a hemispherical bowl on which is

mounted a hollow cylinder. The diameter of the sphere is 14 cm

and the total height of vessel is 15 cm, find the capacity

of the vessel.

|  |  |
| --- | --- |
| A | 1977.23 cm3 |
| B | 1999.45 cm3 |
| C | 1840.67 cm3 |
| D | 1950.67 cm3 |
| E | 1833.27 cm3 |

|  |
| --- |
| **Question 10** |

The diameters of the internal and external surfaces of a

hollow spherical shell are 10cm and 6 cm respectively.

If it is melted and recasted into a solid cylinder of

length 8/3 cm, find the diameter of the cylinder.

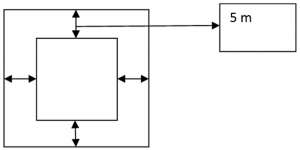
|  |  |
| --- | --- |
| A | 28√2 cm |
| B | 14√2 cm |
| C | 26√2 cm |
| D | 18√2 cm |
| E | 22√2 cm |

In the given diagram, there is a 5 m gap given for a walk in

the garden.  If the outside square has a perimeter of 340 m,

then find the cost of flooring pavement space allocated for

walking. It costs Rs.8 per square meter for flooring



|  |  |
| --- | --- |
| A | 12800 |
| B | 6600 |
| C | 6400 |
| D | None of these |
| **Question 2** | |

 If a goat is tied to a pole at point A with a rope 12m long

such that it can enter a triangle ABC with AB=AC= 10m and

angle A = 30deg . How much area can it gaze

|  |  |
| --- | --- |
| A | Less than 132 pi |
| B | More than 132 pi |
| C | Equal to 132 pi |
| D | None |

|  |
| --- |
| **Question 3** |

If side of the square triples its initial side, then perimeter

equals the area of the new square, find the side of square?

|  |  |
| --- | --- |
| A | 4/3 |
| B | 1/4 |
| C | 1/2 |
| D | 2/3 |
| **Question 4** | |

If the diagonal of a rectangle is 17cm long and its perimeter

is 46 cm. Find the area of the rectangle.

|  |  |
| --- | --- |
| A | 110 |
| B | 120 |
| C | 130 |
| D | 140 |

|  |
| --- |
| **Question 5** |

A wire can be bent in the form of a circle of radius 56cm.

If it is bent in the form of a square, then its area will be

|  |  |
| --- | --- |
| A | 7744 |
| B | 8844 |
| C | 5544 |
| D | 4444 |
| **Question 6** | |

The area of the largest circle that can be drawn inside a

rectangle with sides 18cm by 14cm is

|  |  |
| --- | --- |
| A | 49 |
| B | 154 |
| C | 378 |
| D | 1078 |

|  |
| --- |
| **Question 7** |

The length of a rectangular hall is 5m more than its breadth.

The area of the hall is 750 m. The length of the hall is

|  |  |
| --- | --- |
| A | 20 |
| B | 30 |
| C | 25 |
| D | 35 |
| **Question 8** | |

One side of a rectangular field is 15m and one of its diagonal

is 17m. Find the area of field?

|  |  |
| --- | --- |
| A | 110 |
| B | 120 |
| C | 130 |
| D | 140 |

|  |
| --- |
| **Question 9** |

The dimensions of a room are 10m x 7m x 5m. There are 2 doors

and 3 windows in the room. The dimensions of the doors are

1m x 3m. One window is of size 2m x 1.5m and the other 2 windows

are of size 1m x 1.5m. The cost of painting the walls at Rs. 3

per sq m is

|  |  |
| --- | --- |
| A | Rs.174 |
| B | Rs.274 |
| C | Rs.374 |
| D | Rs.474 |
| **Question 10** | |

The diameter of the driving wheel of a bus is 140 cm. How many

revolution, per minute must the wheel make in order to keep a

speed of 66 kmph ?

|  |  |
| --- | --- |
| A | 150 |
| B | 250 |
| C | 350 |
| D | 550 |

Ram covers a part of the journey at 20 kmph and the balance

at 70 kmph taking the total of 8 hours to cover the distance

of 400 km. How many hours has been driving at 20 kmph?

|  |  |
| --- | --- |
| A | 2 hours |
| B | 3 hours 20 minutes |
| C | 2 hours 40 minutes |
| D | 3 hours 12 minutes |
| **Question 2** | |

A train starts from A towards B with some velocity. Due to an

engine problem, after travelling 3/8 of its journey, it slows

to 3/5 of its actual velocity. The train reaches B 1 hour later

than the actual planned time. If the engine had failed after

travelling 80km and if it would have slowed down to 4/5th of

its initial velocity for another 80km and covered remaining

distance with 1/2 of its initial velocity, the train would

have reached the destination one and half hours late.

What is the distance between A and B in meters?

|  |  |
| --- | --- |
| A | 10000 |
| B | 48000 |
| C | 24000 |
| D | 52000 |

|  |
| --- |
| **Question 3** |

A bus P leaves from City 1 to City 2 and at the same time

bus Q leaves from City 2 to City 1. They meet 720 km away

from City 1 and after reaching their destinations, both

drivers halt for 2 hours. After that they start back and

meet 400 km away from City 2 on their return journey.

Find the ratio between the speeds of the two buses.

|  |  |
| --- | --- |
| A | 7:11 |
| B | 7:19 |
| C | 8:17 |
| D | 9:13 |
| **Question 4** | |

Three customers want haircut and a shave. In a saloon,

two barbers operate at same speed. They take quarter of an

hour for the haircut and 5 mins for the shave. How quickly

can they finish the haircut and shave of these three customers?

|  |  |
| --- | --- |
| A | 10 minutes |
| B | 30 minutes |
| C | 15 minutes |
| D | 35 minutes |

|  |
| --- |
| **Question 5** |

I travel the first part of my journey at 40 kmph and the

second part at 60 kmph and cover the total distance of

240 km to my destination in 5 hours. How long did the first

part of my journey last?

|  |  |
| --- | --- |
| A | 4 hours |
| B | 2 hours |
| C | 3 hours |
| D | 2 hours 24 minutes |
| **Question 6** | |

Find the speed of the stream when a boat takes 5 hours to

travel 60 kms downstream at a rate of 10 kms per hour in

still water?

|  |  |
| --- | --- |
| A | 2 kmph |
| B | 3 kmph |
| C | 4 kmph |
| D | 5 kmph |

|  |
| --- |
| **Question 7** |

A man can row a certain distance downstream in 2 hours while

he takes 3 hours to come back. If the speed of the stream be

6 km/hr then the speed of the man in still water is:

|  |  |
| --- | --- |
| A | 15km/hr |
| B | 30km/hr |
| C | 25km/hr |
| D | 29km/hr |
| **Question 8** | |

A boat takes 7 hours to cover 24 km distance and comes back.

And, it can cover 2 km with the stream in the same time as

1.5 km against the stream. The speed of the stream is:

|  |  |
| --- | --- |
| A | 1 km/hr |
| B | 2 km/hr |
| C | 3 km/hr |
| D | 4 km/hr |

|  |
| --- |
| **Question 9** |

A man can take the same time to row 13 km downstream and

7 km upstream. His speed in still water 5 km/hr. The speed

of the stream is:

|  |  |
| --- | --- |
| A | 5/2 km/hr |
| B | 3/2 km/hr |
| C | 7/2 km/hr |
| D | 2 km/hr |
| **Question 10** | |

There are two bus stands, namely X and Y. Buses leave from X

for every 30 minutes and its first bus starts at 8.05 am.

Every hour number of buses leaving from Y increases by 1 and its

first bus starts at 7 am. From Y there is only 1 bus for the 1st hour.

Any bus from either of the bus stations takes 15 minutes to reach a

nearby bus stop. Suppose a person reaches the stop in between 12.15 pm

and 1.15 pm. The probability that the person will get a bus from Y is:

|  |  |
| --- | --- |
| A | 3/4 |
| B | 1/3 |
| C | 1 |
| D | 1/4 |

There is well of depth 30 m and frog is at bottom of the well.

He jumps 3 m in one day and falls back 2 m in the same day.

How many days will it take for the frog to come out of the well?

|  |  |
| --- | --- |
| A | 30 |
| B | 29 |
| C | 28 |
| D | 26 |

|  |
| --- |
| **Question 2** |

There is well of depth 30 m and frog is at bottom of the well.

He jumps 3 m in one day and falls back 2 m in the same day.

How many days will it take for the frog to come out of the well?

|  |  |
| --- | --- |
| A | 36 days |
| B | 48 days |
| C | 10 days |
| D | 28 days |

|  |
| --- |
| **Question 3** |

Due to some defect in our elevator, I was climbing down the staircase.

I’d climbed down just 7 steps when I saw a man on the ground floor.

Continuing to walk down, I greeted the man and I was surprised to see

that when I was yet to get down 4 steps to reach the ground floor,

the man had already finished climbing the staircase. He perhaps climbed

up 2 steps for every 1 of mine. How many steps did the staircase have?

|  |  |
| --- | --- |
| A | 27 |
| B | 23 |
| C | 22 |
| D | 9 |

|  |
| --- |
| **Question 4** |

A dog takes 4 leaps for every 5 leaps of hare but 3 leaps

of dog is equal to 4 leaps of hare compare speed?

|  |  |
| --- | --- |
| A | 16 : 17 |
| B | 17 : 15 |
| C | 16 : 15 |
| D | 20 : 15 |

|  |
| --- |
| **Question 5** |

Supposing a clock takes 7 seconds to strike 7. How long will it take

to strike 10?

|  |  |
| --- | --- |
| A | 1 hours not 3 hours. |
| B | 2 hours not 2 hours. |
| C | 1 hours not 2 hours. |
| D | 4 hours not 2 hours. |

|  |
| --- |
| **Question 6** |

An escalator is descending at constant speed. A walks down and

takes 50 steps to reach the bottom. B runs down and takes 90 steps

in the same time as A takes 10 steps. How many steps are visible when

the escalator is not operating?

|  |  |
| --- | --- |
| A | 255 |
| B | 350 |
| C | 100 |
| D | 99 |

|  |
| --- |
| **Question 7** |

Jack and Jill went up and down a hill. They started from the bottom

and Jack met Jill again 20 miles from the top while returning. Jack

completed the race 1 min a head of Jill. If the hill is 440 miles

high and their speed while down journey is 1.5 times the up journey.

How long it took for the Jack to complete the race ?

|  |  |
| --- | --- |
| A | 13.6min |
| B | 14.6min |
| C | 120.6min |
| D | 12.6min |

|  |
| --- |
| **Question 8** |

A family X went for a vacation. Unfortunately it rained for 13 days

when they were there. But whenever it rained in the mornings, they had

clear afternoons and vice versa. In all they enjoyed 11 mornings and

12 afternoons.How many days did they stay there totally?

|  |  |
| --- | --- |
| A | 18 days |
| B | 28 days |
| C | 26 days |
| D | 36 days |

|  |
| --- |
| **Question 9** |

If i walk with 30 miles/hr i reach 1 hour before and if i walk

with 20 miles/hr i reach 1 hour late.Find the distance between 2

points and the exact time of reaching destination is 11 am then

find the speed with which it walks.

|  |  |
| --- | --- |
| A | 240 |
| B | 120 |
| C | 340 |
| D | 255 |

|  |
| --- |
| **Question 10** |

Food grains are to be sent to city from godown. Owner wants to

reach the food grains at 11 O' Clock in the city. If a truck travels

at a speed of 30km/hr then he will reach the city one hour earlier.

If the truck travels at a speed of 20km/h then he will reach the city

one hour late. Find the distance between the godown to city. Also with

which speed the truck should travel in order to reach at exactly 11 'O clock?

|  |  |
| --- | --- |
| A | 24 kmph |
| B | 26 kmph |
| C | 36 kmph |
| D | 48 kmph |

|  |
| --- |
| **Question 11** |

Two trains starting at same time, one from Bangalore to Mysore and

other in opposite direction arrive at their destination 1 hr and 4 hours

respectively after passing each other. How nuch faster is

one train from other?

|  |  |
| --- | --- |
| A | 5 |
| B | 6 |
| C | 2 |
| D | 8 |

Two boats start from opposite banks of river perpendicular to the shore.

One is faster then the other. They meet at 720 yards from one of the ends.

After reaching opposite ends they rest for 10mins each. After that they

start back. This time on the return journey they meet at 400yards from

the other end of the river. Calculate the width of the river?

|  |  |
| --- | --- |
| A | 1760 yard |
| B | 1755 yard |
| C | 1660 yard |
| D | 2260 yard |
| **Question 2** | |

Joe started from bombay towards pune and her friend julie in

opposite direction.they meet at a point .distance travelled by

joe was 1.8 miles more than that of julie.after spending some both

started there way. joe reaches in 2 hours while julie in 3.5 hours.

Assuming both were travelling with constant speed.Wath is the distance

between the two cities.

|  |  |
| --- | --- |
| A | 7.6 Miles |
| B | 6.6 Miles |
| C | 6.9 Miles |
| D | 5.6 Miles |

|  |
| --- |
| **Question 3** |

A & B two places. C & D are two people. C started from A and D

started from B. When they meet each other in the way C traveled 18 m

more than D. Then C takes 13 and half a minute and D takes 24 minutes

to reach the other end. What was the distance between A & B?

|  |  |
| --- | --- |
| A | 130 m. |
| B | 135 m. |
| C | 137 m. |
| D | 126 m. |
| **Question 4** | |

A person drives with constant speed and after some time he sees a

milestone with 2 digits. Then he travels for 1 hour and sees the same

2 digits in reverse order. 1 hour later he sees that the milestone has

the same 2 digits with a 0 between them. What is the speed of the car (in mph)?

|  |  |
| --- | --- |
| A | 40mph |
| B | 60mph |
| C | 45mph |
| D | 65mph |

|  |
| --- |
| **Question 5** |

A man was going by cycle. After going 2/3rd of total distance the cycle

broke down and he had to complete the journey on foot. At the end he found

that he walked twice as long as he was on cycle. How many times the speed

of the cycle is as the speed of walking?

|  |  |
| --- | --- |
| A | 4 times |
| B | 6 times |
| C | 12 times |
| D | 0 times |
| **Question 6** | |

A ship went on a voyage after 180 miles a plane started with 10 times

speed that of the ship. Find the distance when they meet from starting point.

|  |  |
| --- | --- |
| A | 600 miles |
| B | 400 miles |
| C | 200 miles |
| D | 700 miles |

|  |
| --- |
| **Question 7** |

There are 20 poles with a constant distance between each pole.

A car takes 24 second to reach the 12th pole.How much will it

take to reach the last pole?

|  |  |
| --- | --- |
| A | 41.4545 seconds |
| B | 42.4545 seconds |
| C | 46.4545 seconds |
| D | 56.4545 seconds |
| **Question 8** | |

There r some steps. i come down 7 steps then see a man at bottom.

then he comes up and i go down at same speed(my speed). when 4 steps

r remaining for me i find tht man has reached the top. for my single

step downwards he took 2 steps up. find total steps?

|  |  |
| --- | --- |
| A | 11 |
| B | 24 |
| C | 22 |
| D | 25 |

|  |
| --- |
| **Question 9** |

When the actual time pass 1hr wall clock is 10 min behind it.

When 1 hr is shown by wall clock, table clock shows 10 min ahead of it.

When table clock shows 1 hr the alarm clock goes 5min behind it.

When alarm clock goes 1 hr wrist watch is 5 min ahead of it assuming

that all clocks are correct with actual time at 12 noon, what will be

time shown by wrist watch after 6 hr?

|  |  |
| --- | --- |
| A | 6.00 pm |
| B | 5.48 pm |
| C | 5.30 am |
| D | 5.47 pm |
| **Question 10** | |

Mr. ANYMAN left ANYTOWN by car to attend a wedding at ANYCITY.

He had been driving for exactly two hours when the car got punctured.

It took his driver exactly ten minutes to change the wheel. In order

to play safe they covered the remaining distance at a speed of 30 mph.

consequently, Mr. ANYMAN was at wedding half an- hour behind schedule.

Had the car got the puncture only 30 miles later , I would have been

only FIFTEEN minutes late he told the driver . How Far is ANYCITY

from ANYTOWN

|  |  |
| --- | --- |
| A | 120min |
| B | 220min |
| C | 20min |
| D | 60min |

There are 10 questions to complete.

**.**

A man is going to a wedding party. He travels for 2hrs when

he gets a puncture. Changing tyres takes 10mins. The rest of

the journey he travels at 30 miles/hr. He reaches 30mins behind

schedule. He thinks to himself that if the puncture had occurred

30miles later, he would have been only 15mins late. Find the total

distance traveled by the man?

|  |  |
| --- | --- |
| A | 220 miles |
| B | 120 miles |
| C | 2400 miles |
| D | 320 miles |

|  |
| --- |
| **Question 2** |

A man was on his way to a marriage in a car with a constant speed.

After 2 hours one of the tier is punctured and it took 10 minutes to

replace it. After that they traveled with a speed of 30 miles/hr

and reached the marriage?

|  |  |
| --- | --- |
| A | 220 miles |
| B | 360 miles |
| C | 120 miles |
| D | 440 miles |

|  |
| --- |
| **Question 3** |

There were some containers of quantity 1, 3, 4, 5, 6, 12, 15, 22, 24, 38

liters. Each was filled with some liquid except one. The liquids

are milk, water and oil. Quantity of each was like this.

Water = 2\* milk oil = 2\* water. Find out which container

was empty and containers filled with milk and oil.

|  |  |
| --- | --- |
| A | 4ltr |
| B | 5ltr |
| C | 7ltr |
| D | 4.5ltr |

|  |
| --- |
| **Question 4** |

we travelled to a place at the rate of 10 miles per hour and

offcourse returned the same way, but owing to less traffic

at the rate of 15 miles per hour.what was our relative speed.

|  |  |
| --- | --- |
| A | 120mph |
| B | 12mph |
| C | 42mph |
| D | 48mph |

|  |
| --- |
| **Question 5** |

Two trains leaving from two station 50 miles away from each other

with costant speed of 60 miles per hour, approaches towards each

other on diffrent tracks. if lenght of each train is 1/6 mile.

when they meet How much time they need to pass each other totally?

|  |  |
| --- | --- |
| A | 2/6 minutes |
| B | 1/6 minutes |
| C | 1/7 minutes |
| D | 2/8 minutes |

|  |
| --- |
| **Question 6** |

A boy goes to school from his house.on one fourth oh his way to school,

he crosses a machinery station. And on one third of his way to school,

he crosses a Railway station.He crossed the machinery station at 7:30

and he crosses the Railway station at 7:35.when does he leave the

house & when does he reach the school ?

|  |  |
| --- | --- |
| A | 8:15 |
| B | 14:00 |
| C | 15:00 |
| D | 22:30 |

|  |
| --- |
| **Question 7** |

A drives a car four times a lap 10,20 30,60 kmph what is the average speed?

|  |  |
| --- | --- |
| A | 240kmph |
| B | 40kmph |
| C | 45kmph |
| D | 20kmph |

|  |
| --- |
| **Question 8** |

A man was travelling to a place 30 miles away from starting point.

he was speeding at 60 miles/hr. but when he came back, his car got

breakdown and half an hour was wasted in reparing that. altogether

he took 1 hr for return journey. Find the avg. speed of the whole journey

|  |  |
| --- | --- |
| A | 45miles/hr |
| B | 40miles/hr |
| C | 46miles/hr |
| D | 50miles/hr |

|  |
| --- |
| **Question 9** |

A cow was standing on a bridge, 5feet away from the middle of

the bridge. suddenly a lightning express with 90 miles/hr was

coming towards the bridge from nearest end of the cow.seeeing

this the cow ran towards the express and managed to escape

when the train is one feet away from the bridge. if it would

have ran to opposite direction(ie away from train) it would

have been hit the train one ft away from the end of the bridge.

Calculate the length of bridge.

|  |  |
| --- | --- |
| A | 10mts. |
| B | 28mts. |
| C | 44mts. |
| D | 32mts. |

|  |
| --- |
| **Question 10** |

A complex statement - about an aeroplane comming late.

"The boy says if it was 6 hours later, the waiting time would be

1/5th of the time if the plane had come 2 hours earlier instead.

the plane is supposed to come at midnight?

|  |  |
| --- | --- |
| A | 8 hrs |
| B | 6 hrs |
| C | 9 hrs |
| D | 6.30 hrs |

|  |
| --- |
| **Question 11** |

There ia truck which should reach some place at 11`o clock ,

if it travels with 30 mph it reaches i hour before , if it

travles with 20 mph it reaches 1 hour late. what is the distance

it must be travlled and what is the speed it must maintain to rech

at exact time? ans: 120 miles and 24 mph?

|  |  |
| --- | --- |
| A | 320miles |
| B | 360miles |
| C | 120miles |
| D | 220miles |

|  |
| --- |
| **Question 12** |

There are two colcks one runs 1min/hrs faster and other 1min/hr

slower when will the two clocks have time time difference of 1 hr?

|  |  |
| --- | --- |
| A | 30 hrs |
| B | 35 hrs |
| C | 30030 hrs |
| D | 90 hrs |

There are 2 guards Bal and Pal walking on the side of a wall

of a wearhouse(12m X11m) in opposite directions. They meet at

a point and Bal says to Pal "See you again in the other side".

After a few moments of walking Bal decides to go back for a smoke

but he changes his direction again to his previous one after

10 minutes of walking in the other(opposite) direction remembering

that Pal will be waiting for to meet. If Bal and Pal walk 8 and

11 feet respectively, how much distance they would have travelled

before meeting again?

|  |  |
| --- | --- |
| A | 48 metres |
| B | 80 metres |
| C | 49 metres |
| D | 52 metres |
| **Question 2** | |

A person has to cover the fixed distance through his horses.

There are five horses in the cart. They ran at the full potential

for the 24 hours continuously at constant speed and then two of the

horses ran away to some other direction. So he reached the destination

48 hours behind the schedule. If the five horses would have run

50 miles more,then the person would have been only 24 hours late.

Find the distance of the destination?

|  |  |
| --- | --- |
| A | 400 |
| B | 600 |
| C | 423 |
| D | 365 |

|  |
| --- |
| **Question 3** |

Tom wants to catch a hare. He is standing 250 yards south

from the hare. The hare starts moving due east.Tom, instead of

moving in the northeast direction,moves in such a way that at every

instant, he is going towards the hare. If speed of tom is one

and one-third times that of the hare, find the distance each

traveled before he caught the hare.

|  |  |
| --- | --- |
| A | 1000 |
| B | 1900 |
| C | 2100 |
| D | 1850 |
| **Question 4** | |

Every day a cyclist meets a train at a particular crossing.

The road is straight before the crossing and both are travelling

in the same direction. Cyclist travels with a speed of 10 Kmph.

One day the cyclist comes late by 25 min. and meets the train 5km

before the crossing. What is the speed of the train?

|  |  |
| --- | --- |
| A | 78km |
| B | 60km |
| C | 48km |
| D | 52km |

|  |
| --- |
| **Question 5** |

Person needs 6 steps to cover a distance of one slab. If he increases

his foot length (step length) by 3 inches he needs only 5 steps to cover

the slabs length. What is the length of each slab?

|  |  |
| --- | --- |
| A | 7.5 feet |
| B | 8.6 feet |
| C | 9.33 feet |
| D | none |
| **Question 6** | |

A person meets a train at a railway station coming days at a

particular time. One day he is late by 30 minutes, and he meets

the train 5 kms before the station. If his speed is 12 kmph,

what is the speed of the train?

|  |  |
| --- | --- |
| A | 60 kph |
| B | 65 kph |
| C | 75 kph |
| D | 75 kph |

|  |
| --- |
| **Question 7** |

An army 50 miles long marches at a constant rate. A courier standing at

the rear moves forward and delivers the message to the first person and

then turns back and reaches the rear of the army as the army completes

50 miles. Find the distance travelled by the courier?

|  |  |
| --- | --- |
| A | 121.7 mile |
| B | 100.7 mile |
| C | 110.7 mile |
| D | 120.7 mile |
| **Question 8** | |

Two men are going along a track of rail in the opposite direction.

One goods train crossed the first person in 20 sec. After 10 min the

train crossed the other person who is coming in opposite direction in 18 sec.

After the train has passed, when the two persons will meet?

|  |  |
| --- | --- |
| A | 50 |
| B | 101 |
| C | 98 |
| D | 90 |

|  |
| --- |
| **Question 9** |

Ship is away from the shore by 180 miles. A plane is traveling at 10 times

speed of the ship. How long from the shore will they meet?

|  |  |
| --- | --- |
| A | 200 |
| B | 400 |
| C | 600 |
| D | 100 |
| **Question 10** | |

Two trains start from stations A and B spaced 50 kms apart at the

same time and speed. As the trains start, a bird flies from one train

towards the other and on reaching the second train, it flies back to

the first train.This is repeated till the trains collide. If the speed

of the trains is 25 km/h and that of the bird is 100km/h.

How much did the bird travel till the collision?

|  |  |
| --- | --- |
| A | 100 km |
| B | 1000 km |
| C | 90 km |
| D | 10000 km |

There are 10 questions to complete.

**.**

A and B start simultaneously at 8:00 am from 2 cities namely

Delhi and Srinagar respectively separated by a distance of 72 km.

A starts at a uniform speed of 4kmph. B starts at the same time

as A and travels at the rate of 2 kmph for the 1st hour, 2.5 kmph

for 2nd hour, 3 kmph for the 3rd hour and so on. At what time do

they meet?

|  |  |
| --- | --- |
| A | 5:00 pm |
| B | 5:30 pm |
| C | 4:00 pm |
| D | None of these |

|  |
| --- |
| **Question 2** |

Shanti's school normally FINISHES AT 4 PM. her mom drives from

home to pick her up, reaching the school exactly at 4 pm. one

day, a half holiday is announced and the School finishes for

the day at 1 pm. Rather than sitting and Waiting , Shanti

decides to start walking towards home. Her mother meets her

along the way and as a result they reach home an hour earlier

than normal. what is the ratio of the Shanti's walking speed to

her mother's driving Speed?

|  |  |
| --- | --- |
| A | 2:5 |
| B | 3:5 |
| C | 1:5 |
| D | 4:2 |

|  |
| --- |
| **Question 3** |

Ramesh travels 760 Km to his home, Partly by train and partly

by car. He takes 8 hours, if he travels 160 km by train and rest

by car. He takes 12 minutes more, if he travels 240 km by train

and the rest by car. What are the speeds of the train and of the car?

|  |  |
| --- | --- |
| A | Car = 90 kmph, train = 60 kmph |
| B | Car = 100 kmph, train = 80 kmph |
| C | Car = 80 kmph, train = 70 kmph |
| D | Car = 100 kmph, train = 90 kmph |

|  |
| --- |
| **Question 4** |

Ram & Shyam started from a point X and Y respectively and started

moving towards each other. After they met Ram took 4 hours to

reach Y and Shyam took 16 hours to reach X. Ram’s speed is 48 kmph.

What is the speed of Shyam?

|  |  |
| --- | --- |
| A | 24kmph |
| B | 56kmph |
| C | 32kmph |
| D | 12kmph |

|  |
| --- |
| **Question 5** |

Without stoppage, a train travels a certain distance with an

average speed of 60 km/h, and with stoppage it covers the same

distance with an average speed of 40 km/h. On an average,

how many minutes per hour does train stop during the journey ?

|  |  |
| --- | --- |
| A | 15mins/hr |
| B | 20 mins/hr |
| C | 25 mins/hr |
| D | 30 mins/hr |

|  |
| --- |
| **Question 6** |

Jack and Jill went up and down a hill. They started from the

bottom and Jack met Jill again 20 miles from the top while Jack

completed the race 1 min a head of Jill. If the hill is 440

miles high and their speed while down journey is 1.5 times the

up journey. How long it took for the Jack to complete the race?

|  |  |
| --- | --- |
| A | 12.6mins |
| B | 12.8mins |
| C | 12.4mins |
| D | 12.2mins |

|  |
| --- |
| **Question 7** |

A train covered a distance at a uniform speed .if the train had

been 6 km/hr faster it would have been 4 hour less than schedule

time and if the train were slower by 6 km/hr it would have been

6 hours more. Find the distance?

|  |  |
| --- | --- |
| A | 720 km |
| B | 700 km |
| C | 600 km |
| D | 590 km |

|  |
| --- |
| **Question 8** |

A train goes from stations A to B. One day there is a technical

problem at the very beginning of the journey & hence the train

travels at 3/5 of it's original speed and so it arrives 2 hours

late. Had the problem occurred after 50 miles had been covered,

the train would have arrived 40 min earlier(i.e., only 120-40 =

80 min late). What is the distance between the 2 stations?

|  |  |
| --- | --- |
| A | 150 miles |
| B | 160 miles |
| C | 170 miles |
| D | 180 miles |

|  |
| --- |
| **Question 9** |

Albert and Fernandes have two leg swimming Both start from

opposite ends of the pool. On the first leg, the boys pass each

other at 18 m from the deep end of the pool. During the second

leg they pass at 10 m from the shallow end of the pool. Both go

at constant speed but one of them is faster. Each boy rests for

4 seconds at the end of the first leg. What is the length of

the pool?

|  |  |
| --- | --- |
| A | 34 m |
| B | 24 m |
| C | 35 m |
| D | 44 m |

|  |
| --- |
| **Question 10** |

A train leaves meerut at 5 a.m and reaches delhi at 9 am.

another train delhi at 7 am and reaches meerut at 10.30 am at

what time do the two trains cross each other?

|  |  |
| --- | --- |
| A | 7:56 am |
| B | 7:50 am |
| C | 7:30 am |
| D | 7:36 am |

drives a car four times a lap 10,20 30,60 kmph what is the average speed.

|  |  |
| --- | --- |
| A | 20 kmph |
| B | 12 kmph |
| C | 35 kmph |
| D | 37 kmph |
| **Question 2** | |

Speed of boat in still water 10 km,if speed up stream is 24 km

and speed down stream is 16 what is speed of the river.

|  |  |
| --- | --- |
| A | 0.59 kmph |
| B | 0.69 kmph |
| C | 1 kmph |
| D | 0.9999 kmph |

|  |
| --- |
| **Question 3** |

A leaves shore P as B leaves Q; they move across the lake at a constant speed.

They meet first time 600 yards from P. Each returns from the opposite

shore without halting, and they meet 200 yards from. How long is the lake?

|  |  |
| --- | --- |
| A | 1850 yards |
| B | 1700 yards |
| C | 1648 yards |
| D | 1600 yards |
| **Question 4** | |

There are two balls touching each other circumferentially.

The radius of the big ball is 4 times the diameter of the small all.

The outer small ball rotates in anticlockwise direction circumferentially

over the bigger one at the rate of 16 rev/sec. The bigger wheel also

rotates anticlockwise at N rev/sec. What is 'N' for the horizontal

line from the centre of small wheel always is horizontal.

|  |  |
| --- | --- |
| A | 28rev/sec |
| B | 128rev/sec |
| C | 228rev/sec |
| D | 78rev/sec |

|  |
| --- |
| **Question 5** |

Albert and Fernandes have two leg swimming race.

Both start from opposite ends of the pool. On the first leg,

the boys pass each other at 18 m from the deep end of the pool.

During the second leg they pass at 10 m from the shallow

end of the pool. Both go at constant speed but one of them is faster.

Each boy rests for 4 seconds at the end of the first leg.

What is the length of the pool?

|  |  |
| --- | --- |
| A | 36 |
| B | 44 |
| C | 85 |
| D | 37 |
| **Question 6** | |

There are 4 mothers, 4 daughters and the colour of their dresses,

and they are aged 1, 2, 3 & 4. Details of the dresses are given &

then it asked about the remaining dresses?

|  |  |
| --- | --- |
| A | Data inadequate |
| B | 14 |
| C | 15 |
| D | None |

|  |
| --- |
| **Question 7** |

Sam and Mala have a conversation. Sam says I am certainly

not over 40. Mala says I am 38 and you are at least 5 years

older than me. Now, Sam says you are at least All the statements

by the two are false.How old are they really?

|  |  |
| --- | --- |
| A | 37 |
| B | 40 |
| C | 45 |
| D | 42 |
| **Question 8** | |

A car travels at a speed of 60 km/h and returns with a

speed of 40 km/h. Calculate the average speed for the

whole journey.

|  |  |
| --- | --- |
| A | 36 |
| B | 48 |
| C | 56 |
| D | 60 |

|  |
| --- |
| **Question 9** |

How long will a train 100 m long and travelling at a speed

of 45 kmph,take to corss a platform of length 150 m?

|  |  |
| --- | --- |
| A | 20 sec |
| B | 29 sec |
| C | 27 sec |
| D | cannot be determined |
| **Question 10** | |

What is the time taken by a train running at 54 km/hr to

cross a man standing on a platform, the length of the

train being 180 m?

|  |  |
| --- | --- |
| A | 6 seconds |
| B | 12 seconds |
| C | 16 seconds |
| D | 18 seconds |

There are 10 questions to complete.

Joe's age, Joe's sister's age and Joe’s fathers age sums up to a century.

When son is as old as his father, Joe's sister will be twice as old as

now. When Joe is as old as his father then his father is twice as old

as when his sister was as old as her father.Age of her father ?

|  |  |
| --- | --- |
| A | 35 |
| B | 78 |
| C | 55 |
| D | 40 |
| E | 50 |
| **Question 2** | |

The Master says to his grandmaster that me and my three cousins

have ages in prime nos. only. Summation of our ages is 50.

Grandmaster who knows the age of the master instantly tells

the ages of the three cousins. Tell the ages of three cousins.

( 1 is not considered as prime no.)

|  |  |
| --- | --- |
| A | 3,5,11 years |
| B | 3,5,12 years |
| C | 34,5,11 years |
| D | 3,5,81 years |

|  |
| --- |
| **Question 3** |

There are two families Alens and smiths. They have two children each.

There names are A,B,C,D whose ages are different and ages are less

then or equal to 11. The following conditions are given:-

i) A's age is three years less then his brother's age .

ii) B is eldest among the four.

iii) C is half the age of the eldest in Alens family.

iv) The difference in sum of the ages of Alens children and

smiths children is same asthat of five years ago.

**Find the ages of all the children.**

|  |  |
| --- | --- |
| A | 10 |
| B | 3 |
| C | 0 |
| D | 1 |
| **Question 4** | |

When Arthur is as old as his father Hailey is now, he shall be 5 times

as old as his son Clarke is now. By then, Clarke will be 8 times older

than Arthur is now. The combined ages of Hailey and Arthur are 100 years.

How old is Clarke?

|  |  |
| --- | --- |
| A | 88.23785 |
| B | 88.2353 |
| C | 78.2353 |
| D | 96 |

|  |
| --- |
| **Question 5** |

My father’s age was x in the year x2. I am obviously talking

about 20th century. In which year was my father born?

|  |  |
| --- | --- |
| A | 2001 |
| B | 1999 |
| C | 1982 |
| D | 1979 |
| **Question 6** | |

10Father's age is three years more than three times the son's age.

After three years, father's age will be ten years more than twice

the son's age. What is the father's present age?

|  |  |
| --- | --- |
| A | 39 |
| B | 33 |
| C | 34 |
| D | 40 |

|  |
| --- |
| **Question 7** |

"You see," said Mrs.Murphy,"Paddy is now one and one-third times

as old as he was when he took to drink, and little Jimmy, who was

forty months old when paddy took to drink is now two years more than

half as old as I was when Paddy took to drink , so when little Jimmy

is as old as Paddy was when he took to drink.our three ages combined

will amount to just one hundred years" How old is little Jimmy?

|  |  |
| --- | --- |
| A | 155.5 months |
| B | 175.7 months |
| C | 275.5 months |
| D | 175.5 months |
| **Question 8** | |

Some guy holding a glass of wine in his hand looking around

in the room says, "This is same as it was four years ago,

how old are your two kids now?" Other guy says "Three now,

Pam had one more in the meanwhile." Pam says, "If you multiply

their ages, answer is 96 and if you add the ages of first two kids,

addition is same as our house number." The first guy says,

"You are very smart but that doesn't tell me their ages." Pam says,

"It's very simple, just think." What are the ages of three kids?

|  |  |
| --- | --- |
| A | 8,6,2 |
| B | 8,6,3 |
| C | 7,6,2 |
| D | 8,7,2 |

|  |
| --- |
| **Question 9** |

Father says my son is five times older than my daughter.

my wife is 5 times older that my son. I am twice old from

my wife and altogether (sum of our ages) is equal to my mother's age

and she is celebrating her 81 birthday. so what is my son's age?

|  |  |
| --- | --- |
| A | 11 years |
| B | 13 years |
| C | 5 years |
| D | 6 years |
| **Question 10** | |

A boss tells 1/6 th of his life in child hood,1/12 of his

in youth and 1/7 of his in bachelor,five years after his election

a son was born whom was died four years ago at half his final age.

find the boss age.

|  |  |
| --- | --- |
| A | 74 |
| B | 56 |
| C | 48 |
| D | 12 |

There are 10 questions to complete.

A conducter in the bus ask the man how old the boy is.the man replied

that my son is five times older than my daughter and my wife is five

times older than my son and i am twice older to my wife and our ages

summed upto my granmother whose age is 81 years.can u tell me the son age?

|  |  |
| --- | --- |
| A | 9 |
| B | 5 |
| C | 4 |
| D | 6 |
| **Question 2** | |

Find out who is oldest and who is youngest from the following statements...

a)eitherA or B r the oldest

b)either C is the oldest or B is the youngest.

|  |  |
| --- | --- |
| A | A is the oldest and B is the Youngest |
| B | A is the oldest and c is the Youngest |
| C | c is the oldest and B is the Youngest |
| D | none |

|  |
| --- |
| **Question 3** |

Impressed by admiration of the boy by stranger, the father said

"My son is five times as old as my daughter and my wife is five times

as old as my son. I'm double the age of my wife and my grandmother is

as old as the sum of ages of all of us and she is celebrating her 81st birthday."

what is the age of the boy?

|  |  |
| --- | --- |
| A | 5 yrs |
| B | 7 yrs |
| C | 8 yrs |
| D | 10 yrs |
| **Question 4** | |

A, B & C participate in a race & one of them wins. They belong to three

communities-M, N, one community.

A SAYS:I would have won the race if C had not interfered me

at the last movement. 2. C always speaks truth. C is the winner.

B SAYS:A wins the race. 2. C is not a 'N'.

C SAYS:I hadn't interfered with A at the last movement. 2. B wins the race.

Tell, who's who?

|  |  |
| --- | --- |
| A | Axj |
| B | Axy |
| C | Axg |
| D | Wrong |

|  |
| --- |
| **Question 5** |

Sons age is 5 times daughters.mother is five times son.father is

5 times wife. Total of all age is Grandpas who is celebrating 81st B`day.

|  |  |
| --- | --- |
| A | 5 yrs |
| B | 8 yrs |
| C | 6 yrs |
| D | 7 yrs |
| **Question 6** | |

One-sixth of my life", said my boss, "I spent as a child, next

one-twelfth as an old boy, one-seventh & 5 more years in politics

& socialization. This brought me upto when Jimmy born. Jimmy was elected

for the governer four years ago, when he was half my present age."

and tutorials.How old is my boss?

|  |  |
| --- | --- |
| A | 84 |
| B | 85 |
| C | 87 |
| D | 96 |

|  |
| --- |
| **Question 7** |

Four persons A,B,C,D were there. All were of different weights.

All Four gave a statement.Among the four statements only the person

who is lightest in weight of all

others gave a true statement.

A Says : B is heavier than D.

B Says : A is heavier than C.

C Says : I am heavier than D.

D Says : C is heavier than B.

Find the lightest & List the persons in ascending order according to their weights

|  |  |
| --- | --- |
| A | A is the lightest |
| B | B is the lightest |
| C | C is the lightest |
| D | D is the lightest |
| **Question 8** | |

There is log weighing 30kgs. The log having twice thickness and

twice short as first one will weigh howmuch ??

|  |  |
| --- | --- |
| A | 100 kg |
| B | 58 kg |
| C | 59 kg |
| D | 60 kg |

|  |
| --- |
| **Question 9** |

John had decided to divide his RS.1000/- for his four children

according to their ages. The elder child should be a RS.20/- extra

for each than his younger child . What will be the share of Mahesh

who is the youngest?

|  |  |
| --- | --- |
| A | 220 |
| B | 240 |
| C | 245 |
| D | 110 |
| **Question 10** | |

P says to Q "I am thrice as old as you were when i was as old

as you are". If the sum of their present age is 100 years,

then the present age of Q?

|  |  |
| --- | --- |
| A | 60 |
| B | 40 |
| C | 30 |
| D | 20 |

There are 10 questions to complete.

**.**

A completes a work in 2 days, B in 4 days, C in 9 and D in 18 days.

They form the group of two such that difference is maximum between

them to complete the work. What is the difference in the number of

days they complete that work?

|  |  |
| --- | --- |
| A | 14/3 days |
| B | 12/5 days |
| C | 14/5 days |
| D | 13/3 days |
| **Question 2** | |

Ramesh can finish a work in 20 days and Sushil in 25 days.

They both work together for 5 days and then Sushil goes away.

In how many days will Ramesh complete the remaining work?

|  |  |
| --- | --- |
| A | 8 days |
| B | 9 days |
| C | 10 days |
| D | 11 days |

|  |
| --- |
| **Question 3** |

5 men are equal to as many women as are equal to 8 boys.

All of them earn Rs.90 only. Men’s wages are?

|  |  |
| --- | --- |
| A | Rs.6 |
| B | Rs.5 |
| C | Rs.4.50 |
| D | Rs.5.5 |
| **Question 4** | |

A can do a piece of work in 12 days. He worked for 15 days and

then B completed the remaining work in 10 days. Both of them

together will finish it in.

|  |  |
| --- | --- |
| A | 12 1/2 days |
| B | 25 days |
| C | 6 days |
| D | 12 days |

|  |
| --- |
| **Question 5** |

A and B can do a piece of work in 21 and 24 days respectively.

They started the work together and after some days A leaves the

work and B completes the remaining work in 9 days. After how

many days did A leave?

|  |  |
| --- | --- |
| A | 5 |
| B | 7 |
| C | 8 |
| D | 6 |
| **Question 6** | |

Ram, who is half as efficient as Krish, will take 24 days to

complete a work if he worked alone. If Ram and Krish worked

together, how long will they take to complete the work?

|  |  |
| --- | --- |
| A | 16 days |
| B | 12 days |
| C | 8 days |
| D | 18 days |

|  |
| --- |
| **Question 7** |

Ram starts working on a job and works on it for 12 days and

completes 40% of the work. To help him complete the work, he

employs Ravi and together they work for another 12 days and

the work gets completed. How much more efficient is Ram than Ravi?

|  |  |
| --- | --- |
| A | 50% |
| B | 200% |
| C | 60% |
| D | 100% |
| **Question 8** | |

A and B working together can finish a job in T days. If A works

alone and completes the job, he will take T + 5 days. If B works

alone and completes the same job, he will take T + 45 days.

What is T?

|  |  |
| --- | --- |
| A | 25 |
| B | 60 |
| C | 15 |
| D | None |

|  |
| --- |
| **Question 9** |

13 kigs and 6 libs can produce 510 tors in 10 hrs, 8 kigs and 14 libs

can produce 484 tors in 12 hrs. Find the rate of production of tors for

kigs and libs. Express the answer in tors/hr?

|  |  |
| --- | --- |
| A | 8.4 tors/hr. |
| B | 6 tors/hr. |
| C | 5.4 tors/hr. |
| D | 4.4 tors/hr. |
| **Question 10** | |

Grass in lawn grows equally thick and in a uniform rate. It takes 24 days

for 70 cows and 60 days for 30 cows to eat the whole of the grass.

How many cows are needed to eat the grass in 96 days.?

|  |  |
| --- | --- |
| A | 40 |
| B | 20 |
| C | 35 |
| D | 45 |

There are 10 questions to complete.

**.**

Albert and Fernandes have two leg swimming race. Both start from

opposite ends of the pool. On the first leg, the boys pass each other

at 18 m from the deep end of the pool. During the second leg they pass

at 10 m from the shallow end of the pool. Both go at constant speed but

one of them is faster. Each boy rests for 4 seconds at the end of the first

leg. What is the length of the pool?

|  |  |
| --- | --- |
| A | 44m |
| B | 45m |
| C | 22m |
| D | 33m |
| **Question 2** | |

12 persons can complete the work in 18 days. after working for 6 days,

4 more persons added to complete the work fast. in how many more days

they will complete the work?

|  |  |
| --- | --- |
| A | 6 days |
| B | 9 days |
| C | 12 days |
| D | 14 days |

|  |
| --- |
| **Question 3** |

There are three trucks A, B, C. A loads 10 kg/min. B loads 13 1/3 kg/min.

C unloads 5 kg/min. If three simultaneously works then what is the time

taken to load 2.4 tones?

|  |  |
| --- | --- |
| A | 3hrs 10min |
| B | 2hrs 10min |
| C | 4hrs 20min |
| D | 6hrs 11min |
| **Question 4** | |

A man walks at 4 km/hr on plain, then at 3 km/hr uphill and then

returns through the same road at 6 km/hr downhill and at 4 km/hr

on the plain. It takes altogether 6 hours. So what distance

he covered in one way?

|  |  |
| --- | --- |
| A | 12km |
| B | 14km |
| C | 22km |
| D | 6km |

|  |
| --- |
| **Question 5** |

The quarter of the time from midnight to present time added to the

half of the time from the present to midnight gives the present time.

What is the present time?

|  |  |
| --- | --- |
| A | 9hr 36min |
| B | 10hr 36min |
| C | 9hr |
| D | 6hr 36min |
| **Question 6** | |

there are 3 custoners who wants to take a hair cut and shave.

there are 2 barbers who takes one quarter of an hour for a hair cut,

and 5 minutes for a shave. both the barbers want to finish off and go

quickly to their homes. in what time can do it?

|  |  |
| --- | --- |
| A | 60min |
| B | 1 hr 30min |
| C | 36min |
| D | 30min |

|  |
| --- |
| **Question 7** |

2 men take turns walking and riding one horse that they share...

walking speed 4km/hr..riding speed 12km/hr..one rides for some time

and ties horse for the other walking fellow and continues walking......

they keep going on like this alternately ..find time that the horse rests?

|  |  |
| --- | --- |
| A | 3hr |
| B | 2hr |
| C | 8hr |
| D | 12hr |
| **Question 8** | |

A alone can do a piece of work in 6 days and B alone in 8 days.

A and B undertook to do it for Rs. 3200. With the help of C,

they completed the work in 3 days. How much is to be paid to C?

|  |  |
| --- | --- |
| A | 600 |
| B | 400 |
| C | 800 |
| D | 450 |

|  |
| --- |
| **Question 9** |

A’ and ‘B’ started a business in partnership investing Rs 20000/-

and Rs 15000/- respectively. After six months ‘C’ jointed them with

Rs 20000/-. What will be B’s share in the total profit of Rs 25000/-

earned at the end of two years from the starting of the business?

|  |  |
| --- | --- |
| A | 3600 |
| B | 7200 |
| C | 8500 |
| D | 7500 |
| **Question 10** | |

T, U, V are 3 friends digging groups in fields.

If T & U can complete i groove in 4 days &, U & V can

complete 1 groove in 3 days & V & T can complete in 2 days.

Find how many days each takes to complete 1 groove individually?

|  |  |
| --- | --- |
| A | 7 days |
| B | 21 days |
| C | 24 days |
| D | 27 days |

There are 10 questions to complete.

12 persons can complete the work in 18 after working for 6 days,

4 more persons added to complete the work fast. in how many more

days they will complete the work?

|  |  |
| --- | --- |
| A | 9 |
| B | 8 |
| C | 7 |
| D | 10 |
| **Question 2** | |

There are three trucks A, B, C. A loads 10 kg/min. B loads 13

1/3 kg/min. C unloads 5 kg/min. If three simultaneously works

then what is the time taken to load 2.4 tones?

|  |  |
| --- | --- |
| A | 115mins |
| B | 130mins |
| C | 134mins |
| D | 135mins |

|  |
| --- |
| **Question 3** |

A completes a work in 2 days, B in 4 days, C in 9 and D in

18 days. They form group of two such that difference is maximum

between them to complete the What is difference in the number

of days they complete that work?

|  |  |
| --- | --- |
| A | 14 days |
| B | 14/3 days |
| C | 15 days |
| D | 16 days |
| **Question 4** | |

60 buffaloes will have food for 120 days. After 10 days,

27 buffaloes die due to an epidemic. For how many days will

the remaining food last?

|  |  |
| --- | --- |
| A | 300 |
| B | 200 |
| C | 180 |
| D | 240 |

|  |
| --- |
| **Question 5** |

Wasim takes two hours to arrange 180 plates. Tasha takes half

an hour to arrange the twice the number of plates. Working

together, how many hours will they take to arrange 24300 plates?

|  |  |
| --- | --- |
| A | 25 hours |
| B | 20 hours |
| C | 30 hours |
| D | 15 hours |
| **Question 6** | |

X, Y and Z are toy makers. X takes 16 minutes, Y takes 12 minutes

and Z takes 8 minutes to make a toy. If they work each day for

12 hours, then on an average, how many toys each one can make per day?

|  |  |
| --- | --- |
| A | 91 |
| B | 78 |
| C | 65 |
| D | 36 |

|  |
| --- |
| **Question 7** |

A can do a piece of work in 15 days and B can do a piece of

work in 45 days. If they work on alternate days, starting from A,

then how many days are required to complete the total work?

|  |  |
| --- | --- |
| A | 11 |
| B | 23 |
| C | 22.33 |
| D | none |
| **Question 8** | |

A pipe can fill a bath in 7.5 minutes and another can fill

it in 15 minutes. A person opens both the pipes simultaneously.

When the bath should have been full, he finds that the waste pipe

was open. He then closes the waste pipe and in 2 minutes more,

the bath is full. In what time, would the waste pipe empty it?

|  |  |
| --- | --- |
| A | 25/2 |
| B | 30 |
| C | 40 |
| D | 80/3 |

|  |
| --- |
| **Question 9** |

A tank has a leak that can empty it in 4 hours. A pipe that

admits 20 liters of water per hour into the tank is turned on

and now the tank is emptied in 5 hours. What is the capacity

of the tank in liters?

|  |  |
| --- | --- |
| A | 360 |
| B | 400 |
| C | 480 |
| D | 520 |
| **Question 10** | |

Four pipes W, X, Y and Z can fill a tank in 20, 25, 40, 50 hours

respectively. W was opened at 6:00 am, X at 8:00 am, Y at 9:00 am

and Z at 10:00 am. When will the tank be full?

|  |  |
| --- | --- |
| A | 11:09 a.m. |
| B | 02:42 p.m. |
| C | 06:09 p.m. |
| D | 03:09 p.m. |

There are 10 questions to complete.

A and B together take 12 days to complete a work. B and C

together take 20 days to complete the same work. What is the

difference between number of days taken by A and C when they

worked alone to complete the whole work?

|  |  |
| --- | --- |
| A | 24 |
| B | 30 |
| C | 48 |
| D | none |
| **Question 2** | |

36 girls take 48 days to complete a work which can be completed

by 24 boys in 36 days. 72 boys started working and after 6 days,

20 boys left and 40 girls joined them. How many days will they

take to complete the remaining work?

|  |  |
| --- | --- |
| A | 9 |
| B | 7 |
| C | 6 |
| D | 8 |

|  |
| --- |
| **Question 3** |

A and B can finish a work individually in 21 and 42 days respectively.

How many days are required to complete the work by working on

alternate days?

|  |  |
| --- | --- |
| A | 14 |
| B | 35 |
| C | 28 |
| D | none of these |
| **Question 4** | |

There is well of depth 30m and frog is at bottom of the well.

He jumps 3m in one day and falls back 2m in the same day.

How many days will it take for the frog to come out of the well?

|  |  |
| --- | --- |
| A | 12 |
| B | 28 |
| C | 34 |
| D | 54 |

|  |
| --- |
| **Question 5** |

3 trucks A, B, C. A loads 10 kg/min. B loads 13 1/3 kg/min.

C unloads 5kg/min. If three simultaneously works then

what is the time taken to load 2.4 tones?

|  |  |
| --- | --- |
| A | 1hrs,10min |
| B | 2hrs,10min |
| C | 5hrs,10min |
| D | 3hrs,10min |
| **Question 6** | |

A certain no. of workers can do a piece of work in 25 days,

in what time will another set of equal no. of men do a piece

of work as great supposing that 2 men of the first set can do

as much work in a hour as 3 men in the second set can do in a hour?

|  |  |
| --- | --- |
| A | 60days |
| B | 75days |
| C | 90days |
| D | 105days |
| E | none |

|  |
| --- |
| **Question 7** |

If three tapes are filling a tank of capacity of 500lit with

speed of 30lit/sec, 48lit/sec and 36lit/sec. Find after

how long time tank will fill?

|  |  |
| --- | --- |
| A | 500/114sec |
| B | 400/114sec |
| C | 700/14sec |
| D | 250/114sec |
| **Question 8** | |

30 men take 20days to complete a job working 9hrs a day.

How many hours a day should 40 men work to complete the job?

|  |  |
| --- | --- |
| A | 8hrs |
| B | 7 1/2hrs |
| C | 7 hrs |
| D | 9hrs |
| E | none |

|  |
| --- |
| **Question 9** |

If Rita spends every day 40 minutes for watering the plants,

how much time does Rita spend watering the plants in 20 days?

|  |  |
| --- | --- |
| A | 12hours |
| B | 13.33hours |
| C | 12.5hours |
| D | 15.5hours |
| **Question 10** | |

In a Grass field if 40 cows could eat for 40 days.the same grass

field could eat 30 cows for 60 days.how long will it feed 20 cows?

|  |  |
| --- | --- |
| A | 120 days |
| B | 65 days |
| C | 70 days |
| D | none |

There are 10 questions to complete.

If a pipe A can fill a tank in 40 minutes and pipe B fill the

same tank in 30 minutes. How long will it take for both pipes

together to fill the tank?

|  |  |
| --- | --- |
| A | 17min |
| B | 20min |
| C | 36min |
| D | 48min |
| **Question 2** | |

One person works for 8 days and take holyday of 9 days.

If he starts work from Monday.in which days his 12th holiday?

|  |  |
| --- | --- |
| A | sunday |
| B | monday |
| C | tuesday |
| D | none |

|  |
| --- |
| **Question 3** |

3 men finish painting a wall in 8 days. Four boys do the

same job in 7 days. In how many days will 2 men and 2 boys

working together paint two such walls of the same size?

|  |  |
| --- | --- |
| A | 6 6/13 days |
| B | 3 3/13 days |
| C | 9 2/5 days |
| D | 12 12/13 days |
| **Question 4** | |

Anand finishes a work in 7 days, Bittu finishes the same

job in 8 days and Chandu in 6 days. They take turns to finish

the work. Anand on the first day, Bittu on the second and

Chandu on the third day and then Anand again and so on.

On which day will the work get over?

|  |  |
| --- | --- |
| A | 3rd |
| B | 6th |
| C | 9th |
| D | 7th |

|  |
| --- |
| **Question 5** |

A family X went for a vacation. Unfortunately it rained for

13 days when they were there. But whenever it rained in the

mornings, they had clear afternoons and vice versa. In all

they enjoyed 11 mornings and 12 afternoons. How many days

did they stay there totally?

|  |  |
| --- | --- |
| A | 14 |
| B | 15 |
| C | 17 |
| D | 18 |
| **Question 6** | |

If 4 examiner can check some papers working 8 days 5 hours per day,

then how many hours can be taken for 2 examiners to check double

papers in 20 days?

|  |  |
| --- | --- |
| A | 7 |
| B | 8 |
| C | 9 |
| D | 45 |

|  |
| --- |
| **Question 7** |

A person is prisoned for 60 days . In that 60 days he earns rs.170.

If he works he will get payed Rs.7 per day. If he doesn't work Rs.3

he should pay to that prison.Find out how many days he worked.

|  |  |
| --- | --- |
| A | 170 |
| B | 175 |
| C | 130 |
| D | 120 |
| **Question 8** | |

One fast typist type some matter in 2hr and another slow

typist type the same matter in 3hr. If both do combinely

in how much time they will finish.

|  |  |
| --- | --- |
| A | 2hr 12 min |
| B | 1hr 12 min |
| C | 3hr 15 min |
| D | 7hr 12 min |

|  |
| --- |
| **Question 9** |

T, U, V are 3 friends digging groups in fields. If T & U can

complete i groove in 4 days &, U & V can complete 1 groove in

3 days & V & T can complete in 2 days. Find how many days each

takes to complete 1 groove individually

|  |  |
| --- | --- |
| A | 24/7 days |
| B | 24/5 days |
| C | 45/7 days |
| D | none |
| **Question 10** | |

Person A can complete the job in 10 days, Person B can complete

the job in20 days. If both together work then in how many days

they will finish d work ?

|  |  |
| --- | --- |
| A | 3/20 days |
| B | 25/3 days |
| C | 20/3 days |
| D | none |

There are 10 questions to complete.

The price of an article reduces to 576 after two successive discounts.

The markup is 80% above the cost price of Rs. 500.What is the new

profit percentage if instead of two successive discounts the markup

price was further increased successively two times by the same percentage?

|  |  |
| --- | --- |
| A | 259.2% |
| B | 59.2% |
| C | 159.2% |
| D | can’t be determined |
| **Question 2** | |

A milkman purchases the milk at Rs. x per litre and sells

it at Rs. 2x per litre still he mixes 2 litres water with

every 6 litres of pure milk. What is the profit percentage?

|  |  |
| --- | --- |
| A | 116% |
| B | 166.66% |
| C | 60% |
| D | 100% |

|  |
| --- |
| **Question 3** |

The percentage profit earned by selling an article for Rs. 1920

is equal to the percentage loss incurred by selling the same

article for Rs. 1280. At what price should the article be sold

to make 25% profit?

|  |  |
| --- | --- |
| A | Rs. 2000 |
| B | Rs. 2200 |
| C | Rs. 2400 |
| D | Data inadequate |
| **Question 4** | |

If books bought at prices ranging from Rs. 200 to Rs. 350 are

sold at prices ranging from Rs. 300 to Rs. 425, what is the

greatest possible profit that might be made in selling eight books?

|  |  |
| --- | --- |
| A | 600 |
| B | 1200 |
| C | 1800 |
| D | none of these |

|  |
| --- |
| **Question 5** |

Bhajan Singh purchased 120 reams of paper at Rs 80 per ream.

He spent Rs 280 on transportation, paid octroi at the rate

of 40 paise per ream and paid Rs 72 to the coolie. If he

wants to have a gain of 8 %, what must be the selling price per ream?

|  |  |
| --- | --- |
| A | 90 |
| B | 89 |
| C | 87.48 |
| D | 86 |
| **Question 6** | |

A dealer sold two of his cattle for Rs. 500 each. On one of

them he lost 10% on the other, he gained 10%. His gain or

loss percent in the entire transaction was:

|  |  |
| --- | --- |
| A | 10% loss |
| B | 1% loss |
| C | 1% gain |
| D | Neither loss nor profit |

|  |
| --- |
| **Question 7** |

By mixing two qualities of pulses in the ratio 2: 3 and selling

the mixture at the rate of Rs 22 per kilogram, a shopkeeper

makes a profit of 10 %. If the cost of the smaller quantity

be Rs 14 per kg, the cost per kg of the larger quantity is:

|  |  |
| --- | --- |
| A | Rs 23 |
| B | Rs 25 |
| C | Rs 24 |
| D | None of these |
| **Question 8** | |

Rahul went to purchase a Nokia mobile handset, the shopkeeper

told him to pay 20% tax if he asked the bill. Rahul manages to

get the discount of 5% on the actual sale price of the mobile

and he paid the shopkeeper Rs. 3325 without tax. Besides he

manages to avoid to pay 20% tax on the already discounted price,

what is the amount of discount that he has gotten?

|  |  |
| --- | --- |
| A | 750 |
| B | 375 |
| C | 875 |
| D | 525 |

|  |
| --- |
| **Question 9** |

A person with some money spends1/3 for cloths, 1/5 of the remaining

for food and 1/4 of the remaining for travel. He is left with Rs 100/- .

How much did he have with him in the beginning?

|  |  |
| --- | --- |
| A | 250 |
| B | 255 |
| C | 360 |
| D | 245 |
| **Question 10** | |

From a vessel, 1/3rd of the liquid evaporates on the first day.

On the second day 3/4th of the remaining liquid evaporates. What

fraction of the volume is present at the end of the second day.

|  |  |
| --- | --- |
| A | 5% |
| B | 50% |
| C | 100% |
| D | 10% |

There are 10 questions to complete.

How many kgs of wheat costing Rs.24/- per kg must be mixed with 30 kgs

of wheat costing Rs.18.40/- per kg so that 15% profit can be obtained

by selling the mixture at Rs.23/- per kg?

|  |  |
| --- | --- |
| A | 14 |
| B | 12 |
| C | 13 |
| D | 15 |
| **Question 2** | |

In the Garbar Jhala, Ahmadabad a shopkeeper first raises the price

of Jewellery by x% then he decreases the new price by x%. After one

such up down cycle, the price of a Jewellery decreased by Rs. 21025.

After a second updown cycle the jewellery was sold for Rs. 484416.

What was the original price of the jewellery.

|  |  |
| --- | --- |
| A | 5225, 841 |
| B | 525455, 841 |
| C | 5247225, 841 |
| D | 525625, 841 |

|  |
| --- |
| **Question 3** |

An Eraser,Pencil,Notebook together costs $1.00. Notebook costs

more than the cost of 2 Pencils. 3 Pencil costs more than 4 Erasers.

3 Erasers costs more than a Notebook.How much does a pencil costs?

|  |  |
| --- | --- |
| A | 0.27 |
| B | 0.45 |
| C | 0.74 |
| D | 0.26 |
| **Question 4** | |

The profit made by a company in one year is enough to give 6%

return on all shares. But as the preffered shares get on return

of 7.5%, so the ordinary shares got on return of 5%. If the value

of preferd shares is Rs 4,000000, then what is the value of ordinary shares?

|  |  |
| --- | --- |
| A | 600 |
| B | 6000 |
| C | 6000 |
| D | 6000000 |

|  |
| --- |
| **Question 5** |

A person sells 2 items for Rs. 12 each. For one he profits 25%

and for the other he losses 20%. Altogether did he loss or gain?

And by how much?

|  |  |
| --- | --- |
| A | 0.6 |
| B | 0.5 |
| C | 0.7 |
| D | 0.9 |
| **Question 6** | |

The minute and the hour hand of a watch meet every 65 minutes.

How much does the watch lose or gain time and by how much?

|  |  |
| --- | --- |
| A | 5/11 minutes |
| B | 4/11 minutes |
| C | 5/13 minutes |
| D | 8/11 minutes |

|  |
| --- |
| **Question 7** |

A coffee seller has two types of coffee Brand A costing 5 bits

per pound and Brand B costing 3 bits per pound. He mixes two brands

to get a 40 pound mixture. He sold this at 6 bits per pound.

The seller gets a profit of 33 1/2 percent. How much he has used

Brand A in the mixture?

|  |  |
| --- | --- |
| A | 47 |
| B | 30 |
| C | 35 |
| D | 38 |
| **Question 8** | |

Farmer Jones sold a pair of cows for Rs.210, on one he made a profit

of ten percent and on the other he lost ten percent. Altogether he made a

profit of five percent. How many did each cow originally cost him?

|  |  |
| --- | --- |
| A | 162 |
| B | 150 |
| C | 98 |
| D | 45 |

|  |
| --- |
| **Question 9** |

Two travelers, one with 64 barrels of wine, other with 20 barrels of wine.

They don't have enough money to pay duty for the same. First traveler pays

40 francs and gives his 5 barrels, Second traveler gives his 2 barrels but

gets 40 francs in exchange. What's value of each barrel,

and duty for each barrel?

|  |  |
| --- | --- |
| A | 244 |
| B | 140 |
| C | 156 |
| D | 234 |
| **Question 10** | |

An Eraser, Pencil, Notebook together costs $1.00. Notebook

costs more than the cost of 2 Pencils. 3 Pencil costs more than

4 Erasers. 3 Erasers costs more than a Notebook.

How much does a pencil costs?

|  |  |
| --- | --- |
| A | 25 |
| B | 22 |
| C | 19 |
| D | 21 |

There are 10 questions to complete.

**.**

Sugar at Rs.5/kg is mixed with another variety of sugar costing

RS.6/kg in the ratio 1:5 and sold at 20% profit. What is the

selling price of sugar?

|  |  |
| --- | --- |
| A | 7 |
| B | 7.2 |
| C | 8 |
| D | 6.4 |
| **Question 2** | |

In a solution,75% is orange juice and remaining is water. From

this, if 20% is taken out, what will be the percentage of orange

juice in the final solution?

|  |  |
| --- | --- |
| A | 70.55 |
| B | 70 |
| C | 69 |
| D | 71 |

|  |
| --- |
| **Question 3** |

If a 10 lit. mixture contains milk and water in the ratio 2:1

then, how much more mixture should be added to change the ratio

to 1:2 ?

|  |  |
| --- | --- |
| A | 20 |
| B | 30 |
| C | 5 |
| **Question 4** | |

How many kgs of wheat costing 24/- per kg must be mixed with

30 kgs of wheat costing Rs.18.40/- per kg so that 15% profit

can be obtained by selling the mixture at Rs.23/- per kg?

|  |  |
| --- | --- |
| A | 10 |
| B | 11 |
| C | 12 |
| D | 13 |

|  |
| --- |
| **Question 5** |

There are two containers on a A and B. A is half full of wine,

while B, which is twice A's size, is one quarter full of wine.

Both containers are filled with water and the contents are

poured into a third container C. What portion of container C's

mixture is wine?

|  |  |
| --- | --- |
| A | 50 % of wine |
| B | 33.33 % of wine |
| C | 16.66% of wine |
| D | 75% of wine |
| **Question 6** | |

A man mixes 10 litres of alcohol with 40 litres of water.

After selling one-fourth of this mixture, he adds alcohol to

replenish the quantity that he has sold. What is the current

proportion of alcohol to water?

|  |  |
| --- | --- |
| A | 1:2 |
| B | 2:3 |
| C | 4:5 |
| D | 2:3 |

|  |
| --- |
| **Question 7** |

Lifestyle shopkeeper allows a discount of 50% for a formal

shirt but still gains 10%. Find the marked price (in Rs.) of

that shirt which cost him Rs.10,000.

|  |  |
| --- | --- |
| A | Rs. 22000 |
| B | Rs. 21000 |
| C | Rs. 20000 |
| D | Rs. 18000 |
| **Question 8** | |

In two milkshakes, the ratio of chocolate sauce to milk is in the

ratio 2:5 and 3:4. If 4 liters of the first milkshakes and 6 liters

of the second milkshakes are mixed together to form a new milkshake,

then what will be the ratio of chocolate sauce to milk in the new milkshake?

|  |  |
| --- | --- |
| A | 11:22 |
| B | 13:22 |
| C | 1:1 |
| D | 16:5 |

|  |
| --- |
| **Question 9** |

A man bought a certain number of pens and sold them at a gain of 1%.

Had he sold them at a loss of 1%, he would have lost Rs.1 when

compared to the selling price for a gain of 1%. Which of the following

statements is true?

|  |  |
| --- | --- |
| A | The cost price is Rs. 50. |
| B | The selling price is Rs. 50. |
| C | The profit is Rs. 50 |
| D | The cost price depends on the value of x. |
| **Question 10** | |

In a wholesale shop the average revenue was Rs.5000 per day

over a 30 day period. During this period the daily revenue on

all Sundays (total 4 days) was Rs.6000 per day. What was the

average daily revenue on all days except Sundays in Rs?

|  |  |
| --- | --- |
| A | 4532 |
| B | 4846 |
| C | 5100 |
| D | 5467 |

There are 10 questions to complete.

A shopkeeper purchased an article at 20% discount on list price,

he marked up his article in such a way that after selling the article

at 20% discount, he gained 20% on SP. what % is SP of the list price?

|  |  |
| --- | --- |
| A | 96 |
| B | 45 |
| C | 47 |
| D | 43 |

|  |
| --- |
| **Question 2** |

A man bought 15 mango at Rs.36 for 5 mango and sold all of

them at four mango for Rs.45. How much did the man earn or

lose in this transaction?

|  |  |
| --- | --- |
| A | 35.20 |
| B | 60.75 |
| C | 50 |
| D | 70 |

|  |
| --- |
| **Question 3** |

A share is purchased at a rate of 23.60 and sold at a rate of 36.40.

If brokerage at the time of buy and sell is 50 paisa per 100 rupee,

then net profit will be.

|  |  |
| --- | --- |
| A | 12.50 |
| B | 36 |
| C | 13.20 |
| D | 11 |

|  |
| --- |
| **Question 4** |

What is the ratio between the highest and the lowest selling price,

assuming that the factories are selling only one product?

|  |  |
| --- | --- |
| A | 2 : 1 |
| B | 7 : 2 |
| C | 15 : 8 |
| D | 11 : 2 |
| E | 13 : 5 |

|  |
| --- |
| **Question 5** |

A shopkeeper sells 18 mangoes for the purchase price of 20 mangoes.

The percent profit made by the shopkeeper is.

|  |  |
| --- | --- |
| A | 10% |
| B | 11.11% |
| C | 9.09% |
| D | 12% |

|  |
| --- |
| **Question 6** |

One dozen apple and 5 pounds of mango are currently the same price.

If the price of one pound mango rises by 5% and the price of one

dozen apple goes up by 10%. How much will it cost to buy a dozen

of apple and 5 pounds of mango?

|  |  |
| --- | --- |
| A | 12.5% |
| B | 5% |
| C | 7.5% |
| D | 13% |
| E | 10% |

|  |
| --- |
| **Question 7** |

Selling a car gains 25% on SP. What %gain on CP?

|  |  |
| --- | --- |
| A | 15 |
| B | 25 |
| C | 33.33 |
| D | 47.5 |

|  |
| --- |
| **Question 8** |

If the list price of a book is reduced by Rs. 5, then a person

can buy 5 more books for Rs. 300. The original cost of the book is

|  |  |
| --- | --- |
| A | Rs. 15 |
| B | Rs. 20 |
| C | Rs. 25 |
| D | Rs. 30 |

|  |
| --- |
| **Question 9** |

At 20% discount, a cycle is sold at a selling price of 2500 Rs.

What is the actual price?

|  |  |
| --- | --- |
| A | 3250 |
| B | 3336 |
| C | 1450 |
| D | 3125 |

|  |
| --- |
| **Question 10** |

A coffee seller has two types of coffee Brand A costing 5 bits

per pound and Brand B costing 3 bits per pound. He mixes two

brands to get a 40 pound mixture. He sold this at 6 bits per

pound. The seller gets a profit of 33 1/2 percent. How much he

has used Brand A in the mixture?

|  |  |
| --- | --- |
| A | 30 |
| B | 25 |
| C | 36 |
| D | 47 |

A man says that he gained 10 percent as profit in selling a suitable

cloth material. He says if he had purchased the same one 10 percent

cheaper than it was actual and if he had sold it for 20% profit

he gets 25paise less. find at what price he sold the suit.?

|  |  |
| --- | --- |
| A | 11 |
| B | 13.5 |
| C | 12.1 |
| D | 10 |
| **Question 2** | |

Then 4 liters in the solution is replaced with water.

Then 6 and 8 liters respectively. At the end of the 4th

operation , the ratio of wine to water is.

|  |  |
| --- | --- |
| A | 4! / (5) 4 |
| B | 4! / (5 4 – 4! ) |
| C | 8! / 10 4 |
| D | 8! / (10 4 – 8! ) |
| E | None of these |

|  |
| --- |
| **Question 3** |

A vender sold two things at same cost of 12 RS with one item

at 25%profit and other at 20%loss,by this transaction he

made profit or loss by how much?

|  |  |
| --- | --- |
| A | 0.60 |
| B | 0.50 |
| C | 10 |
| D | 20 |
| **Question 4** | |

There are some chicken in a poultry. They are fed with corn.

One sack of corn will come for 9 days. The farmer decides to

sell some chicken and wanted to hold 12 chicken with him.

He cuts the feed by 10% and sack of corn comes for 30 days.

So initially how many chicken are there?

|  |  |
| --- | --- |
| A | 36 |
| B | 40 |
| C | 41 |
| D | 46 |

|  |
| --- |
| **Question 5** |

A 20 litre mixture of milk and water contains milk and water

in the ratio 3 : 2. 10 liters of the mixture is removed and

replaced with pure milk and the operation is repeated once more.

At the end of the two removals and replacement, what is the ratio

of milk and water in the resultant mixture?

|  |  |
| --- | --- |
| A | 20:36 |
| B | 22.0 |
| C | 18.:2 |
| D | none |
| **Question 6** | |

In what ratio must coffee at Rs 93 per Kg be mixed with coffee

at Rs 108 per Kg so that the mixture be worth Rs 100 per Kg?

|  |  |
| --- | --- |
| A | 7:8 |
| B | 8:7 |
| C | 9:2 |
| D | none |

|  |
| --- |
| **Question 7** |

Mr. Sugan professes to sell his goods at cost price,

but he gives 600g instead of 400g due to a problem in

the weighing machine. What is his profit or loss percentage?

|  |  |
| --- | --- |
| A | 60% loss |
| B | 50% profit |
| C | 33.33% loss |
| D | 66.66% profit |
| **Question 8** | |

A, B and C jointly thought of engaging themselves in a business

venture. It was agreed that A would invest Rs. 6500 for 6 months,

B, Rs. 8400 for 5 months and C, Rs. 10,000 for 3 months. A wants

to be the working member for which, he was to receive 5% of the

profits. The profit earned was Rs. 7400.Calculate the share of B

in the profit?

|  |  |
| --- | --- |
| A | 1900 |
| B | 2660 |
| C | 2800 |
| D | 2840 |

|  |
| --- |
| **Question 9** |

Find the average of 91.5, 92.5, 90.5, 94.5 and 93.5?

|  |  |
| --- | --- |
| A | 92.5 |
| B | 91 |
| C | 93 |
| D | 93.5 |
| **Question 10** | |

What is the maximum percentage discount that a merchant can

offer on her marked price so that she ends up at selling at

no profit or loss, if she had initially marked her goods

up by 50%?

|  |  |
| --- | --- |
| A | 50% |
| B | 20% |
| C | 25% |
| D | 33.33% |

How many numbers are divisible by 4 between 1 to 100

|  |  |
| --- | --- |
| A | 31 |
| B | 25 |
| C | 24 |
| D | 22 |
| **Question 2** | |

Find the maximum value of n such that 50! is perfectly divisible by 2520^n .

|  |  |
| --- | --- |
| A | 8 |
| B | 5 |
| C | 7 |
| D | 3 |

|  |
| --- |
| **Question 3** |

In a class there are less than 500 students . when it is divided

by 3 it gives a whole number. similarly when it is divided by 4,5 or 7

gives a whole number. find the no. of students in the class?

|  |  |
| --- | --- |
| A | 420 |
| B | 455 |
| C | 487 |
| D | 520 |
| **Question 4** | |

A family I know has several children. Each boy in this family

has as many sisters as brothers but each girl has twice as many

brothers as sisters. How many brothers and sisters are there?

|  |  |
| --- | --- |
| A | 2 |
| B | 0 |
| C | 4 |
| D | 6 |

|  |
| --- |
| **Question 5** |

If A = *x* 3 *y* 2 and B= *xy* 3 , then find the HCF of A, B

|  |  |
| --- | --- |
| A | x 2× y 2 |
| B | x × y 3 |
| C | x × y 2 |
| D | none |
| **Question 6** | |

For a natural number 'n', 7n^2 + 7n is divisible by which of

the following?

|  |  |
| --- | --- |
| A | 14 only |
| B | 7 only |
| C | 21 only |
| D | 7 and 14 both |

|  |
| --- |
| **Question 7** |

Find the largest 4 digit number that is divisible by 7?

|  |  |
| --- | --- |
| A | 9996 |
| B | 9997 |
| C | 9995 |
| D | 9993 |
| **Question 8** | |

For how many values of  'x' is the number 254178x divisible by 8.

|  |  |
| --- | --- |
| A | 4 |
| B | 8 |
| C | 1 |
| D | All of the above |

|  |
| --- |
| **Question 9** |

N = 8^200. Find the remainder when N is divided by 7.

|  |  |
| --- | --- |
| A | 0 |
| B | 1 |
| C | 3 |
| D | 5 |
| **Question 10** | |

If n is an integer, when (2n + 2)2 is divided by 4 the remainder

is ?

|  |  |
| --- | --- |
| A | 0 |
| B | 1 |
| C | 2 |
| D | 3 |
| E | 4 |

Three friends divided some bullets equally. After all of them

shot 4 bullets the total no.of remaining bullets is equal to

that of one has after division. Find the original number divided.

|  |  |
| --- | --- |
| A | 18 |
| B | 20 |
| C | 40 |
| D | 34 |
| **Question 2** | |

What is the smallest number that should be added to 27452 to

make it exactly divisible by 9?

|  |  |
| --- | --- |
| A | 1 |
| B | 2 |
| C | 7 |
| D | 8 |
| E | 9 |

|  |
| --- |
| **Question 3** |

What least number must be added to 1056, so that the sum is

completely divisible by 23 ?

|  |  |
| --- | --- |
| A | 2 |
| B | 3 |
| C | 18 |
| D | 21 |
| **Question 4** | |

The largest 4 digit number exactly divisible by 88 is:

|  |  |
| --- | --- |
| A | 9944 |
| B | 9768 |
| C | 9988 |
| D | 8888 |
| E | None of these |

|  |
| --- |
| **Question 5** |

Which one of the following numbers is exactly divisible by 11?

|  |  |
| --- | --- |
| A | 235641 |
| B | 245642 |
| C | 315624 |
| D | 415624 |
| **Question 6** | |

If *n* is a natural number, then (6*n2* + 6*n*) is always divisible by

|  |  |
| --- | --- |
| A | 6 only |
| B | 6 and 12 both |
| C | 12 only |
| D | by 18 only |

|  |
| --- |
| **Question 7** |

How many natural numbers are there between 23 and 100 which are

exactly divisible by 6 ?

|  |  |
| --- | --- |
| A | 8 |
| B | 11 |
| C | 12 |
| D | 13 |
| E | None of these |
| **Question 8** | |

On dividing a number by 357, we get 39 as remainder. On dividing

the same number 17, what will be the remainder ?

|  |  |
| --- | --- |
| A | 0 |
| B | 3 |
| C | 5 |
| D | 11 |

|  |
| --- |
| **Question 9** |

What least number must be subtracted from 13601, so that the

remainder is divisible by 87 ?

|  |  |
| --- | --- |
| A | 23 |
| B | 31 |
| C | 29 |
| D | 37 |
| **Question 10** | |

Which of the following numbers is divisible by each one of

3, 7, 9 and 11 ?

|  |  |
| --- | --- |
| A | 639 |
| B | 2079 |
| C | 3791 |
| D | 37911 |

There are 10 questions to complete.

**.**

How many 4 digit numbers contain number no.2?

|  |  |
| --- | --- |
| A | 3170 |
| B | 3172 |
| C | 3174 |
| D | 3168 |
| **Question 2** | |

How many three digit numbers abc are formed where at least two

of the three digits are same?

|  |  |
| --- | --- |
| A | 221 |
| B | 331 |
| C | 320 |
| D | 252 |

|  |
| --- |
| **Question 3** |

What is the next number of the following sequence 7, 14, 55, 110, ....?

|  |  |
| --- | --- |
| A | 121 |
| B | 123 |
| C | 132 |
| D | 111 |
| **Question 4** | |

161?85?65?89 = 100, then use + or - in place of ? and take + as m,

- as n then find value of m-n?

|  |  |
| --- | --- |
| A | -5 |
| B | -3 |
| C | -1 |
| D | 0 |

|  |
| --- |
| **Question 5** |

Rahul took a part in cycling game where 1/5 ahead of him and 5/6 behind

him excluding him. what is total number of participants?

|  |  |
| --- | --- |
| A | 31 |
| B | 35 |
| C | 40 |
| D | 45 |
| **Question 6** | |

Find the unit digit of product of the prime number up to 50 ?

|  |  |
| --- | --- |
| A | 1 |
| B | 0 |
| C | 100 |
| D | -1 |

|  |
| --- |
| **Question 7** |

If [x^(1/3)] - [x^(1/9)] = 60 then find the value of x?

|  |  |
| --- | --- |
| A | 49 |
| B | 51 |
| C | 23 |
| D | 59 |
| **Question 8** | |

A family X went for a vacation. Unfortunately it rained for 13

days when they were there.But whenever it rained in the mornings,

they had clear afternoons and vice versa. In all they enjoyed 11 mornings

and 12 afternoons. How many days did they stay there totally?

|  |  |
| --- | --- |
| A | 18 |
| B | 22 |
| C | 23 |
| D | 19 |

|  |
| --- |
| **Question 9** |

125 small but identical cubes are put together to form a large cube.

This large cube is now painted on all six faces. (i) How many of the smaller

cubes have no face painted at all?

|  |  |
| --- | --- |
| A | 64 |
| B | 8 |
| C | 36 |
| D | 27 |
| **Question 10** | |

7528 : 5306 :: 4673 : ?

|  |  |
| --- | --- |
| A | 2051 |
| B | 2551 |
| C | 2451 |
| D | 2452 |

There are 10 questions to complete.

*x^*2 – *y^*2 =16 and *xy*= 15 so find out x + y ?

|  |  |
| --- | --- |
| A | 16 |
| B | 22 |
| C | 28 |
| D | 30 |
| **Question 2** | |

Census population of a district in 1981 was 4.54 Lakhs, while in year

2001 it was 7.44 Lakhs. What was the estimated mid-year population of

that district in year 2009?

|  |  |
| --- | --- |
| A | 10.6 Lakhs |
| B | 9.6 Lakhs |
| C | 8.7 Lakhs |
| D | 7.6 Lakhs |

|  |
| --- |
| **Question 3** |

Four persons A,B,C,D were there. All were of different weights.

All Four gave a statement.Among the four statements only the person

who is lightest in weight of all others gave a true statement.

A Says : B is heavier than D.

B Says : A is heavier than C.

C Says : I am heavier than D.

D Says : C is heavier than B.

Find the lightest and List the persons in ascending order

according to their weights ?

|  |  |
| --- | --- |
| A | B |
| B | C |
| C | A |
| D | D |
| **Question 4** | |

y, \_?, q, m, i 1. w?

|  |  |
| --- | --- |
| A | u |
| B | v |
| C | w |
| D | x |

|  |
| --- |
| **Question 5** |

What is the next number in the series 3,7,13,19?

|  |  |
| --- | --- |
| A | 21 |
| B | 23 |
| C | 27 |
| D | 29 |
| **Question 6** | |

The sum of series represented as 1/(1×5)+1/(5×9)+1/(9×13)+−−−−+1/(221×225) is?

|  |  |
| --- | --- |
| A | 56226 |
| B | 76225 |
| C | 56225 |
| D | 56236 |

|  |
| --- |
| **Question 7** |

The number of zeros at the end of the product of all prime numbers

between 1 and 1111 is?

|  |  |
| --- | --- |
| A | 6 |
| B | 4 |
| C | 3 |
| D | 1 |
| **Question 8** | |

A card board of size 34 × 14 has to be attached to a wooden box

and a total of 35 pins are to be used on the each side of the card box.

find the total number of pins used?

|  |  |
| --- | --- |
| A | 136 |
| B | 247 |
| C | 456 |
| D | 178 |

|  |
| --- |
| **Question 9** |

A bird keeper has got P pigeons, M mynas and S sparrows.

The keeper goes for lunch leaving his assistant to watch the birds.

Suppose p = 10, m = 5, s = 8 when the bird keeper comes back,

the assistant informs the x birds have escaped. The bird keeper exclaims:

"Oh no! All my sparrows are gone."

How many birds flew away?

When the bird keeper comes back, the assistant told him that x birds have escaped.

The keeper realized that atleast 2 sparrows have escaped.

What is minimum no of birds that can escape?

|  |  |
| --- | --- |
| A | 1 pigeon, 8 myna and 2 sparrows |
| B | 10 pigeon, 5 myna and 3 sparrows |
| C | 10 pigeon, 5 myna and 2 sparrows |
| D | 11 pigeon, 5 myna and 2 sparrows |
| **Question 10** | |

A cube is divided into 729 identical cubelets. Each cut is made parallel

to some surface of the cube . But before doing that the cube is colored

with green color on one set of adjacent faces ,red on the other set of

adjacent faces, blue on the third set. So, how many cubelets are there

which are painted with exactly one color?

|  |  |
| --- | --- |
| A | 311 |
| B | 304 |
| C | 294 |
| D | 293 |

How many boys are there in the class if the number of boys in the

class is 8 more than the number of girls in the class, which is five

times the difference between the number of girls and boys in the class?

|  |  |
| --- | --- |
| A | 40 |
| B | 22 |
| C | 29 |
| D | 33 |
| **Question 2** | |

Mr. T has a wrong weighing pan. One arm is lengthier than other.

1 kilogram on left balances 8 melons on right, 1 kilogram on right

balances 2 melons on left. If all melons are equal in weight,

what is the weight of a single melon?

|  |  |
| --- | --- |
| A | 200 gm |
| B | 300 gm |
| C | 450 gm |
| D | 100 gm |

|  |
| --- |
| **Question 3** |

. a, b, b, c, c, c, d, d, d, d, . . . . . . Find the 288th

letter of this series?

|  |  |
| --- | --- |
| A | y |
| B | a |
| C | x |
| D | c |
| E | z |
| **Question 4** | |

If ABC = *C* 3 and CAB = *D* 3 , Then find *D* 3 ÷ *B* 3

|  |  |
| --- | --- |
| A | 73 |
| B | 64 |
| C | 65 |
| D | 55 |

|  |
| --- |
| **Question 5** |

Find the unit digit of product of the prime number up to 50 .

|  |  |
| --- | --- |
| A | -100 |
| B | -2 |
| C | 1 |
| D | 0 |
| E | none |
| **Question 6** | |

Complete the series.. 2 2 12 12 30 30 ?

|  |  |
| --- | --- |
| A | 58 |
| B | 56 |
| C | 53 |
| D | 51 |

|  |
| --- |
| **Question 7** |

If 5/2 artists make 5/2 paintings using 5/2 canvases in 5/2 days

then how many artistsr required to make 25 paintings using 25 canvases

in 25 days?

|  |  |
| --- | --- |
| A | 25 |
| B | 52 |
| C | 45 |
| D | 63 |
| **Question 8** | |

X^(1/3) - X^(1/9) =60. Solve for X?

|  |  |
| --- | --- |
| A | 5^9 |
| B | 4^9 |
| C | 6^9 |
| D | 10^9 |

|  |
| --- |
| **Question 9** |

X Z Y+X Y Z = Y Z X. Find the three digits?

|  |  |
| --- | --- |
| A | 960 |
| B | 956 |
| C | 954 |
| D | 463 |
| **Question 10** | |

In a badminton tournament a team is eliminated from the tournament

if it losses 2 games. If there are 51 teams then what is the maximum

number of games required to select the champion?

|  |  |
| --- | --- |
| A | 102 |
| B | 105 |
| C | 199 |
| D | 101 |

There are 10 questions to complete.

**.**

It is a typical Tap problem. There are two taps, which are

used to fill the tank and one tap to empty the tank. First tap

fill the tank in 10 min., while the second takes quarter of an hour

to fill the tank if both are operated independently. Third tap is

capable of emptying the tank in seven and a half minutes. If all the

taps are opened simultaneously (when the tank is empty) how long (if ever)

will it take for the tank to get filled completely?

|  |  |
| --- | --- |
| A | 10 minutes |
| B | 8 minutes |
| C | 5 minutes |
| D | 9 minutes |
| **Question 2** | |

 There are two containers on a table. A and B . A is half full of wine,

while B, which is twice A's size, is onequarter full of wine . Both containers

are filled with water and the contents are poured into a third container C.

What portion of container C's mixture is wine ?

|  |  |
| --- | --- |
| A | 8/3 |
| B | 3/5 |
| C | 4/3 |
| D | 2/3 |
| E | 1/3 |

|  |
| --- |
| **Question 3** |

A wall clock loses 10 minutes every 1 hour. In 1 hour by

the wall clock , a table clock gets 10 minutes ahead of it.

In 1 hour by the table clock an alarm clock falls 5 minutes

behind it. In 1 hour of the alarm clock, a wristwatch gets

5 minutes ahead it. At noon, all 4 timepieces were set correctly.

To the nearest minutes, what time will the wrist show when the

correct time is 6 p.m. on the same day ?

|  |  |
| --- | --- |
| A | 6 pm |
| B | 7.30 pm |
| C | 6.24 pm |
| D | 5.20 am |
| **Question 4** | |

Meera was playing with her brother using 55 blocks.She gets bored

playing and starts arranging the blocks such that the no. of blocks in

.each row is one less than that in the lower row. Find how many

were there in the bottom most row?

|  |  |
| --- | --- |
| A | 25 |
| B | 36 |
| C | 10 |
| D | 78 |

|  |
| --- |
| **Question 5** |

Alpha, Beta , gamma, delta and epsilon are friends and have birthdays

on consecutive days though may not be in order. Gamma is as many days

old to Alpha as Beta is younger to Epsilon. Delta is two days older then

Epsilon. Gamma’s Birthday is on Wednesday. Tell whose birthday is when?

|  |  |
| --- | --- |
| A | Thursday |
| B | Tuesday |
| C | Friday |
| D | Wednesday |
| **Question 6** | |

After world war II three departments did as follows  First department

gave some tanks to 2nd & 3rd departments equal to the number they are having.

Then 2nd department gave some tanks to 1st & 3rd departments equal to the

number they are having. Then 3rd department gave some tanks to

2nd &1st departments equal to the number they are having.

Then each department has 24 tanks. Find the initial number

of tanks of each department?

|  |  |
| --- | --- |
| A | A-39 B-22 C-24 |
| B | A-39 B-21 C-12 |
| C | A-96 B-15 C-17 |
| D | A-30 B-36 C-15 |

|  |
| --- |
| **Question 7** |

. Mr. T has a wrong weighing pan.One arm is lengthier than other.

1 kilogram on left balances 8 melons on right.1 kilogram on right

balances 2 melons on left.If all melons are equal in weight,

what is the weight of a single melon?

|  |  |
| --- | --- |
| A | 350 gm. |
| B | 300 gm. |
| C | 200 gm. |
| D | 250 gm. |
| **Question 8** | |

Four thieves went to the museum to stole the diamonds first thief

stole half of them and while going he took another two and left.

Second, third and fourth did the same and there was zero diamonds

at the end. How many diamonds initially at the beginning?

|  |  |
| --- | --- |
| A | 60 |
| B | 70 |
| C | 80 |
| D | 56 |

|  |
| --- |
| **Question 9** |

A women with dollar bills goto the shopping he spent half of the money

she had for shopping as she was so kind she gave one dollar to the beggar.

she went to the hotel and spent half of the remaning and she gave 2 dollars

to the waiter,the she buy some goods with half of the remaining and she gave

3 dollars to the receptionist. how much money she had in the begining?

|  |  |
| --- | --- |
| A | 42 |
| B | 45 |
| C | 52 |
| D | 47 |
| **Question 10** | |

Mr and Mrs ABC purchase suit and hats for 15 Rs. then from remaining

money Mrs. ABC purchase A dress. She shaid " My dress cost is more than

1 Rs from your hat's cost. she also added "if we divide our

money and then purchase and cost of my hat is 3 and 1/2 times

yours hat then we had spend equal money"

" if that " condition fallows what is price of his hat?

b. Total amount spend ?

|  |  |
| --- | --- |
| A | 6,22 |
| B | 22,6 |
| C | 7,23 |
| D | 14,7 |

There are 10 questions to complete.

No. of animals is 11 more than the no. of birds. If the no.

of birds were the no. of animals and no. of animals were the no.

of birds( ie., interchanging no.s of animals and birds.),

the total no. of legs get reduced by one fifth (1/5).

How many no. of birds and animals were there?

|  |  |
| --- | --- |
| A | 12,13 |
| B | 14,15 |
| C | 11,12 |
| D | 3,4 |
| **Question 2** | |

In a soap company a soap is manufactured with 11 parts.For making

one soap you will get 1 part as scrap. At the end of the day u have

251 such scraps. From that how many soaps can be manufactured?

|  |  |
| --- | --- |
| A | 36 soaps |
| B | 26 soaps |
| C | 30 soaps |
| D | 25 soaps |

|  |
| --- |
| **Question 3** |

There is a 5digit no. 3 pairs of sum is eleven each.Last digit is 3 times

the first one. 3 rd digit is 3 less than the second. 4 th digit is 4 more

than the second one. Find the digit?

|  |  |
| --- | --- |
| A | 25274 |
| B | 25296 |
| C | 25223 |
| D | 25298 |
| **Question 4** | |

There are five thieves, each loot a bakery one after the other such

that the first one takes 1/2 of the total no. of the breads plus 1/2

of a bread. Similarly 2nd, 3rd,4th and 5th also did the same.

After the fifth one no. of breads remained are 3.

Initially how many breads were there?

|  |  |
| --- | --- |
| A | 127 |
| B | 321 |
| C | 452 |
| D | 102 |

|  |
| --- |
| **Question 5** |

There are some chicken in a poultry. They are fed with corn.

One sack of corn will come for 9 days. The farmer decides to sell

some chicken and wanted to hold 12 chicken with him. He cuts the

feed by 10% and sack of corn comes for 30 days. So initially

how many chicken are there?

|  |  |
| --- | --- |
| A | 78 days |
| B | 45 days |
| C | 30 days |
| D | 42 days |
| **Question 6** | |

In an election, candidate A got 75% of the total valid votes.

If 15% of the total votes were declared invalid and the total

numbers of votes is 560000, find the number of valid vote

polled in favour of candidate.

|  |  |
| --- | --- |
| A | 357600 |
| B | 356000 |
| C | 367000 |
| D | 357000 |

|  |
| --- |
| **Question 7** |

If a worker in a factory receives one rupee on the first day

from the second days onwards his wage is increased by one rupee

every day. What is the total amount of wage he receives after

40 days?

|  |  |
| --- | --- |
| A | Rs.720/- |
| B | Rs.820/- |
| C | Rs.810/- |
| D | Rs.740/- |
| **Question 8** | |

A bell in a clock rings once at 1 O'clock, twice at 2 O'clock,

thrice at 3 O'clock and so on.. Then how many times it rings in

a day.

|  |  |
| --- | --- |
| A | 150 |
| B | 146 |
| C | 136 |
| D | 156 |

|  |
| --- |
| **Question 9** |

What is the sum of natural numbers between 20 and 100.

|  |  |
| --- | --- |
| A | 4860 |
| B | 4840 |
| C | 4880 |
| D | None of these |
| **Question 10** | |

Two people run around circular track and take 42 sec and 30 sec

to make one complete round. If they start together after how

much amount of time will they meet again in the same place?

|  |  |
| --- | --- |
| A | 3 min 30 sec |
| B | 4 min 40 sec |
| C | 3 min 20 sec |
| D | 2 min 50 sec |

There are 10 questions to complete.

**.**

The price of a product is increased by 20%. If the original

price is Rs. 300, what is the final price of the product?

|  |  |
| --- | --- |
| A | 350 |
| B | 360 |
| C | 370 |
| D | 375 |

|  |
| --- |
| **Question 2** |

Mukul’s income is 10% more than Sunil’s. How much less is Sunil’s income than that of Mukul’s?

|  |  |
| --- | --- |
| A | 8.09 % |
| B | 9.09 % |
| C | 7.09 % |
| D | 7.90 % |

|  |
| --- |
| **Question 3** |

The total population of a country is 294000, out of which

150000 are males. Out of every 100 males, 98 can read and

write, but only 53% of the total population can do so.

Find the percentage of women who can read and write.

|  |  |
| --- | --- |
| A | 6.125 % |
| B | 5.125 % |
| C | 6.000 % |
| D | 4.125 % |

|  |
| --- |
| **Question 4** |

(0.756 x 3/4) terms of rate percent is equivalent to ?

|  |  |
| --- | --- |
| A | 18.9% |
| B | 37.8% |
| C | 56.7% |
| D | 75% |

|  |
| --- |
| **Question 5** |

If 90% of A = 30% of B and B = C% of A,then the value of C is ?

|  |  |
| --- | --- |
| A | 900 |
| B | 800 |
| C | 600 |
| D | 300 |

|  |
| --- |
| **Question 6** |

If 0.5% of A =85 paise, then the value of A is?

|  |  |
| --- | --- |
| A | Rs. 170 |
| B | Rs. 17 |
| C | Rs. 1.70 |
| D | Rs. 4.25 |

|  |
| --- |
| **Question 7** |

30 quintals are what percent of 2 metric tonnes?

|  |  |
| --- | --- |
| A | 15% |
| B | 1.5% |
| C | 150% |
| D | 30% |

|  |
| --- |
| **Question 8** |

A candidate attempted 12 questions and secured full marks in

all of them. If he obtained 60% in the test and each question

carried equal marks, then what was the total number of questions

in the test?

|  |  |
| --- | --- |
| A | 36 |
| B | 30 |
| C | 25 |
| D | 20 |

|  |
| --- |
| **Question 9** |

Rajesh solved 80 percent of the questions in an examination

correctly, out of 41 questions solved by Rajesh 37 questions

are correct and of the remaining questions out of 8 questions,

5 questions have been solved by Rajesh correctly then find the

total number of question asked in the examination?

|  |  |
| --- | --- |
| A | 75 |
| B | 65 |
| C | 60 |
| D | Can’t be determined |

|  |
| --- |
| **Question 10** |

The difference between 78% of a number and 59% of the same

number is 323. What is 62% of that number?

|  |  |
| --- | --- |
| A | 1054 |
| B | 1178 |
| C | 1037 |
| D | 1159 |
| E | None of the above |

A mixture of 40 litres of sprite and water contains 10% water.

How much water (litres) must be added to this mixture to raise

the percentage of water to 25%?

|  |  |
| --- | --- |
| A | 12 |
| B | 24 |
| C | 8 |
| D | 4 |
| **Question 2** | |

30% of the men are more than 25 years old and 80% of the

men are less than or equal to 50 years old. 20% of all men

play football. If 20% of the men above the age of 50 play

football, what percentage of the football players are less

than or equal to 50 years?

|  |  |
| --- | --- |
| A | 15% |
| B | 20% |
| C | 80% |
| D | 70% |

|  |
| --- |
| **Question 3** |

A speaks the truth in 75% cases whereas B lies in 20% cases.

In what percent of cases are they likely to contradict each

other narrating the same incident?

|  |  |
| --- | --- |
| A | 45% |
| B | 35% |
| C | 40% |
| D | 30% |
| **Question 4** | |

In an exam 49% candidates failed in English and 36% failed

in Hindi and 15% failed in both subjects. If the total number

of candidates who passed in English alone is 630. What is

the total number of candidates appeared in exam?

|  |  |
| --- | --- |
| A | 2500 |
| B | 3000 |
| C | 2632 |
| D | none |

|  |
| --- |
| **Question 5** |

a mixture of 80 liters of milk and water contain 10% water

how much water must be added to make water 20% in the new mixture?

|  |  |
| --- | --- |
| A | 10 |
| B | 20 |
| C | 12 |
| D | 9 |
| **Question 6** | |

A survey of n people in the town of Eros found that 50% of

them preferred Brand A. Another survey of 100 people in the

town of Angie found that 60% preferred Brand A. In total,

55% of all the people surveyed together preferred Brand A.

What is the total number of people surveyed?

|  |  |
| --- | --- |
| A | 50 |
| B | 100 |
| C | 150 |
| D | 200 |
| E | none |

|  |
| --- |
| **Question 7** |

A candidate appearing for an examination has to secure

40% marks to pass paper I. But he secured only 40 marks

and failed by 20 marks. What is the maximum mark for paper I?

|  |  |
| --- | --- |
| A | 150 |
| B | 170 |
| C | 160 |
| D | 250 |
| **Question 8** | |

There are 750 male and female participants in a meeting.

Half the female participants and one-quarterof the male

participants are Democrats. One-third of all the participants

are Democrats. How many of the Democrats are female?

|  |  |
| --- | --- |
| A | 102 |
| B | 49 |
| C | 125 |
| D | 131 |

|  |
| --- |
| **Question 9** |

During the testing of drug the result were found to be 85%

positive in the first phase of 100 tests and 55% positive of

second phase.If the overall results were 75% positive.

what was the total number of tests conducted in first

phase and second phase?

|  |  |
| --- | --- |
| A | 125 |
| B | 135 |
| C | 145 |
| D | 150 |
| **Question 10** | |

The total population of a country is 294000, out of which

150000 are males. Out of every 100 males, 98 can read and

write, but only 53% of the total population can do so.

Find the percentage of women who can read and write.

|  |  |
| --- | --- |
| A | 6.125 % |
| B | 5.125 % |
| C | 6.000 % |
| D | 4.125 % |

There are 10 questions to complete.

**.**

A dishonest dealer professes to sell his goods at the cost

price but uses a weight of 800gm instead of 1kg. Find his

real gain percent.

|  |  |
| --- | --- |
| A | 25% |
| B | 20% |
| C | 30% |
| D | none |

|  |
| --- |
| **Question 2** |

A sum of money lent out at simple interest amounts to

Rs. 720 after 2 years and to Rs. 1,020 after a further

period of 5 years. The sum and the rate % are

|  |  |
| --- | --- |
| A | Rs. 500, 5% |
| B | Rs. 400, 15% |
| C | Rs. 600, 10% |
| D | Rs. 700, 20% |

|  |
| --- |
| **Question 3** |

A train with 90 km/h crosses a bridge in 36 seconds.

Another train 100 metres shorter crosses the same bridge

at 45 km/h. What is the time taken by the second train to

cross the bridge ?

|  |  |
| --- | --- |
| A | 61 seconds |
| B | 63 seconds |
| C | 62 seconds |
| D | 64 seconds |

|  |
| --- |
| **Question 4** |

Ramesh travels 760 km to his home, partly by train and

partly by car He takes 8 hours, if he travels 160 km by

train and the rest by car. He takes 12 minutes more, if he

travels 240 km by train and the rest by car. What are the

speeds of the train and of the car?

|  |  |
| --- | --- |
| A | Speed of car = 90 km/h, speed of train = 60 km/h |
| B | Speed of car = 100 km/h, speed of train = 80 km/h |
| C | Speed of car = 80 km/h, speed of train = 70 km/h |
| D | Speed of car = 100 km/h, speed of train = 90 km/h |

|  |
| --- |
| **Question 5** |

Some students planned a picnic. The budget for food was

Rs. 500. But, 5 of them failed to go and thus the cost of

food for each member increased by Rs. 5. How many students

attended the picnic?

|  |  |
| --- | --- |
| A | 15 |
| B | 25 |
| C | 20 |
| D | 35 |

|  |
| --- |
| **Question 6** |

After being set up, a company manufactured 6000 scooters

in the third year and 7000 scooters in the seventh year.

Assuming that the production increases uniformly by a fixed

number every year, what is the production in the tenth year?

|  |  |
| --- | --- |
| A | 7850 |
| B | 7650 |
| C | 7750 |
| D | 7950 |

|  |
| --- |
| **Question 7** |

The average score of boys in an examination in a school is

71 and that of the girls is 73. The average score of the school

is 71.8. The ratio of the number of boys to that of the girls

that appeared in the examination is

|  |  |
| --- | --- |
| A | 1 : 2 |
| B | 3 : 2 |
| C | 2 : 2 |
| D | 4 : 2 |

|  |
| --- |
| **Question 8** |

The mean monthly salary paid to 75 workers in a factory is

Rs. 5,680. The mean salary of 25 of them is Rs. 5,400 and

that of 30 others is Rs. 5,700. The mean salary of the

remaining workers is

|  |  |
| --- | --- |
| A | Rs. 5,000 |
| B | Rs. 7,000 |
| C | Rs. 6,000 |
| D | Rs. 8,000 |

|  |
| --- |
| **Question 9** |

A sum of Rs. 25 was paid for a work which A can do in 32 days,

B in 20 days, B and C in 12 days and D in 24 days. How much

did C receive if all the four work together?

|  |  |
| --- | --- |
| A | Rs. 14/3 |
| B | Rs. 16/3 |
| C | Rs. 15/3 |
| D | Rs. 17/3 |

|  |
| --- |
| **Question 10** |

A man sold two steel chairs for Rs. 500 each. On one,

he gains 20% and on other, he loses 12%. How much does

he gain or lose in the whole transaction?

|  |  |
| --- | --- |
| A | 1.5% gain |
| B | 2% gain |
| C | 1.5% loss |
| D | 2% loss |

In a solution,75% is orange juice and remaining is water.

From this, if 20% is taken out, what will be the percentage

of orange juice in the final solution?

|  |  |
| --- | --- |
| A | 20 |
| B | 30 |
| C | 40 |
| D | 60 |
| **Question 2** | |

A town have a population of 500000 and 42% of males and

28% of females are married to same town. find the total

number of males

|  |  |
| --- | --- |
| A | 200000 |
| B | 20000 |
| C | 2000 |
| D | 200 |

|  |
| --- |
| **Question 3** |

(0.756 x 3/4) terms of rate percent is equivalent to ?

|  |  |
| --- | --- |
| A | 18.9% |
| B | 37.8% |
| C | 56.7% |
| D | 75% |
| **Question 4** | |

If 90% of A = 30% of B and B = C% of A,then the value of C is ?

|  |  |
| --- | --- |
| A | 900 |
| B | 800 |
| C | 600 |
| D | 300 |

|  |
| --- |
| **Question 5** |

A candidate attempted 12 questions and secured full marks

in all of them. If he obtained 60% in the test and each

question carried equal marks, then what was the total number

of questions in the test?

|  |  |
| --- | --- |
| A | 36 |
| B | 30 |
| C | 25 |
| D | 20 |
| **Question 6** | |

Rajesh solved 80 percent of the questions in an examination

correctly, out of 41 questions solved by Rajesh 37 questions

are correct and of the remaining questions out of 8 questions,

5 questions have been solved by Rajesh correctly then find

the total number of question asked in the examination?

|  |  |
| --- | --- |
| A | 75 |
| B | 65 |
| C | 60 |
| D | Can’t be determined |

|  |
| --- |
| **Question 7** |

The difference between 78% of a number and 59% of the same

number is 323. What is 62% of that number?

|  |  |
| --- | --- |
| A | 1054 |
| B | 1178 |
| C | 1037 |
| D | 1159 |
| E | None of the above |
| **Question 8** | |

If the price of cooking gas increases by 23%, what % of the

consumption of gas be reduced by a hotel owner so that the

expenditure on gas remains the same?

|  |  |
| --- | --- |
| A | 18.7 |
| B | 20.56 |
| C | 19.23 |
| D | 48 |

|  |
| --- |
| **Question 9** |

The population of a town increased from 1,75,000 to 2,62,500

in a decade. The average percent increase of population per year is:

|  |  |
| --- | --- |
| A | 4.37% |
| B | 5% |
| C | 6% |
| D | 8.75% |
| **Question 10** | |

A student multiplied a number by 3/5 instead of 5/3.

What is the percentage error in the calculation?

|  |  |
| --- | --- |
| A | 34% |
| B | 44% |
| C | 54% |
| D | 64% |

In a certain school, 20% of students are below 8 years of age.

The number of students above 8 years of age is of the number

of students of 8 years of age which is 48. What is the total

number of students in the school?

|  |  |
| --- | --- |
| A | 72 |
| B | 80 |
| C | 120 |
| D | 150 |
| **Question 2** | |

In a competitive exam. Ram got 10% less than Shyam who got

25% more than Mohan and Mohan got 20% less than Jawa.

If the marks were 500 and Ram got 360.What was Java's percentage.

|  |  |
| --- | --- |
| A | 80 |
| B | 64 |
| C | 72 |
| D | None of these |

|  |
| --- |
| **Question 3** |

In a town having 1500 people, approximately 60% are female.

Of the female, approximately 50% are aged between 40 and 70.

How many of them are female and aged between 40 and 70?

|  |  |
| --- | --- |
| A | 450 |
| B | 475 |
| C | 425 |
| D | 530 |
| E | none of these |
| **Question 4** | |

Nancy gets a salary increase of 5% plus an extra $10 per week.

Her present salary is $300 per week. What will be her new salary?

|  |  |
| --- | --- |
| A | 315 |
| B | 320 |
| C | 310 |
| D | 330 |
| E | 325 |

|  |
| --- |
| **Question 5** |

Bhanu spends 30% of his income on petrol on scooter.

1/4 of the remaining on house rent and the balance on food.

If he spends Rs.300 on petrol then what is the expenditure

on house rent?

|  |  |
| --- | --- |
| A | Rs.525 |
| B | Rs.1000 |
| C | Rs.675 |
| D | Rs.175 |
| **Question 6** | |

If the area of a square has increased by 60%, by what

percentage has its side increased?

|  |  |
| --- | --- |
| A | 21.2% |
| B | 11.2% |
| C | 21% |
| D | 51.2% |

|  |
| --- |
| **Question 7** |

The storage space required is given by the function P(N) =

4000 √N, where N is the number of boxes used. Find the

percentage change in storage if the number of boxes is

increased by 1%.

|  |  |
| --- | --- |
| A | 0.75% |
| B | 0.25% |
| C | 0.5% |
| D | 1% |
| E | 2% |
| **Question 8** | |

Three companies are working independently and receiving the

savings 20%, 30%, 40%. If the companies work combine,

what will be their net savings?

|  |  |
| --- | --- |
| A | 20 |
| B | 30 |
| C | 40 |
| D | 45 |

|  |
| --- |
| **Question 9** |

Three independent mechanisms A,B and C have been incorporated

for fuel saving in a car producing respectively 30%, 20%, and

40% efficiency. Assuming that they operate independently,

what is the net fuel efficiency achieved?

|  |  |
| --- | --- |
| A | 40% |
| B | 35% |
| C | 45% |
| D | 30% |
| **Question 10** | |

There is 24% increase in income tax rate.it leads to 1%

decrease in overall income.what is the rate of tax?

|  |  |
| --- | --- |
| A | 2% |
| B | 3% |
| C | 4% |
| D | none |

There are 10 questions to complete.

**.**