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Placement Papers And Jobs

Help FREE E-Book

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Introduction:

Hi, This is Kamalkk Kannan from CareersValley.com. At CareersValley, we work to provide useful

learning resources for job seekers across different sectors. You can write to us at

admin@careersvalley.com.

What to Expect and What Not to Expect in this eBook?

Don't expect a huge number of questions which obviously is not possible in a simple e-book.

But expect a limited number of the most important types of questions commonly being asked in

placement tests and interviews.

Don't expect this e-book to be the only resource to prepare completely.

But expect this e-book to give you a right head start. This e-book is NOT A replacement for our

very comprehensive Placement Success Book or careersvalley.com's solved placement papers

section.

(For details on our very useful 465 pages hardcopy book “Placement Success”, visit

http://www.careersvalley.com/bookstore)

So, what’s inside this free e-Book?

This e-book contains solved sample questions in the first section and career related tips/articles

in the second part. The first part will not have too many questions but most important question

types that get repeated very often with minor differences. Most of the questions have been

extracted from those posted on our website.

Disclaimer:

The placement papers/questions discussed are SAMPLE and Unofficial and not from the

respective companies. They have been framed based on the inputs and discussions from

students based on their memory, to help the student community stay prepared. Contact us using

the contact form on the website careersvalley.com for any discrepancies and policy related

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Section I – Placement Papers Section

TCS Sample Questions

1) 5 Men are living in a home. The average age of the five men before 5 years was 55.

After P years, one man aged 50 joins with others in the house which makes the average

age 60. Find the value of P.

Options

a) 4 b) 3 c) 2 d) 7

Answer: a) 4

Explanation:

Let the total age of 5 men be X.

Then the average age of 5 men before 5 years = (X - number of years x number of men)

/ number of men = (X - 3x5)/5 = (X-15)/5 = 55

Then X = 55 x 5 + 15 = 290. That is, presently the total age = 290.

After P years, the total age of the 5 men becomes X + 5xP = 290 + 5xP.

One man aged 50 joins with them. Therefore the average becomes (Total age of 5

original men after P years + Age of new man) / Total number of men = (290 + 5P + 50)/

(5+1) = 60

or 5P = 360 - 340 = 20

p = 20/5 = 4

Therefore, 4 years is our required answer.

2) A boy has several colored balls in his bag - 12 white, 15 orange and 25 pink. The

lights are out and it is totally dark. Now, how many balls he must take out to make sure

that he has a pair of each color?

Options

a) 40 b) 42 c) 6 d) 12

Answer: b) 42

Explanation: Questions/Articles Extracted From www.CareersValley.com

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In this problem, the worst case scenario will be as follows.

Step 1: He picks all of same colored balls of the largest group. The largest group is pink.

Therefore, he will be picking all 25 pink balls first.

Step 2: Then he picks all of same colored balls of the next largest group. The second

largest group is Orange. Therefore, he will be picking 15 orange balls.

Step 3: Now, if he starts picking the remaining balls which are white, he could very well

stop at 2 balls as he would be having a pair of white ball anyway.

Therefore total picks = 25 + 15 + 2 = 42.

Shortcut:

If confused, for these kinds of problems you have to add higher values first + 2, leaving

the least group. Here least group is white.

Therefore our answer will be 25 pink + 15 orange + 2 = 42

Hence the answer is 42.

3) 4 equal aged boys and 6 equal aged girls were regularly attending a guitar class. 22

is the average age of all and 56 is the age of two boys and three girls. After 3 years a

boy is replaced by a new boy aged 15. Now, what will be the average age of boys?

Options

a) 13.5 years b) 15.4years c) 16.3 years d) 14 years

Answer: a) 13.5 years.

Solution:

Let X and Y be the age of a boy and a girl respectively.

Given that 22 is the average age of all.

Then 4X/4 + 6Y/6 = 22

i.e., X + Y = 22 ...eqn1

Also given that, 56 is the age of two boys and three girls.

Then, 2X + 3Y = 56 ...eqn2

Solving the above equations, we get X=10, Y=12.

That is, the age of each boy is 10 and age of each girl is 12.

After 3 years, 1 among 4 boys leaves the group but replaced by a new 15 year old boy. Questions/Articles Extracted From www.CareersValley.com

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Sum of the ages of 3 left over boys + new boy = Ages of original 3 boys after 3 years +

Age of new boy = 3(X+3) + 15 = 3x13 + 15 = 54 years.

Their average age = Total Age / 4 = 54/4 = 13.5 years.

13.5 Years is our answer.

4) Find the most appropriate meaning for the word ‘Correlate’.

Options:

a. to join b. to match c. to refer d. to fix

Answer: b. to match

Correlate is to match, observe or compare two or more different things. For example, in

India illiteracy and poverty can be correlated to each other.

5) Find the most appropriate meaning for the word ‘Volatile’.

Options:

a. Oscillate b. Transient c. Penetrate d. Light

Answer: b. Transient.

Transient can be used to refer something that is temporary and volatile.

6) When 8 is subtracted out from two third of X, the result is 25 more than one third of X.

Find the largest prime number which is less than X.

Options:

a) 113 b) 97 c) 89 d) 131

Answer: b) 97

Solution:

Part-1: To find X.

Below equation can be formed based on the data in question.

(2/3)x X - 8 = 25 + 1/3 x X

(2/3)x X - (1/3)x X = 25+8

X/3 = 33

X=99. Questions/Articles Extracted From www.CareersValley.com

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Part-2: To find the required prime

97 is the largest prime number which is lesser than 99. Hence 97 is the answer.

7) 6 reduced from 1/5 of a number is 7 reduced from half of the same number. Find the

number.

Options

a)10/3 b)22/3 c)7/3 d)none of these

Answer: a) 10/3

Solution:

X/5 - 6 = X/2 - 7

(X-30)/5 = (X-14)/2

2X-60 = 5X-70

5X-2X = 70-60

3X = 10

X = 10/3

8) Ideal Toy company, New York brought out two models – one rectangle and another

hexagon in shape. The area of the two are same. The base and height of the triangle are

48” and √3” respectively. Find the length of each of the sides of the hexagon.

Options:

a) 2” b) 4” c) 24” d) 8”

Answer: b) 4”

Solution:

Area of triangle = 1/2 x base x height = 1/2 x 48 x √3 = 24√3 sq. inches

Since, the areas of a triangle and hexagon are equal , Area of hexagon = 24√3 sq.

inches ....(1)

If the side of the hexagon is X inches, then its area = (3√3/2 )r

2

...(2)

Since equations 1 and 2 equal,

24√3 = (3√3/2 )r

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16 = r

2

Or r = 4 inch

9) Four friends namely Rahul, Ravi, Rajesh and Rohan contested for a dairy milk

chocolate. To decide which friend will get the chocolate they decided to throw two dice.

Every friend was asked to choose a number and if the sum of the numbers on two dice

equals that number, the concerned person will get the chocolate. Rahul's choice was7,

Ravi's choice was 9, Rajesh's choice was 10 and Rohan's choice was 11. Who has the

maximum probability of winning the amount?

Options:

a) Rahul b) Ravi c) Rajesh d) Rohan

Answer: a) Rahul

Solution:

Number 7 will appear more often –(1,6), (2,5), (3,4), (4,3), (6,1), (5,2) --- 6 cases

Number 9 -- (3,6),(6,3), (4,5) (5,4) ---4 cases

For number 10 -- (4,6) ,(6,4) (5,5) ---3 cases

For number 11 -- (5,6),(6,5)...2 cases.

Since number 7 has the maximum chance of appearing, it will have the maximum

probability as well. Hence, Rahul will most probably be the winner.

10) A man raises sheep and chickens. One fine day, his son wants to count the number

of sheep and chickens. Farmer gives hit as below:

"The average number of legs for each animal is 2 38/57. There are 19 more chickens

than that of sheep." Can you help the son by finding the total number of sheep?

Options:

a) 25 b) 19 c) 17 d) 20

Answer: b) 19

Solution:

Let the number of sheep be s and the number of chickens be c.

We know every sheep has 4 legs and every chicken has got 2 legs. Questions/Articles Extracted From www.CareersValley.com

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Total number of legs = 4s + 2c

Average number of legs = Total number of legs / Total number of all animals

= 4s + 2c / (s + c)

It is given that the average = 2 38/57 = 152/57

Therefore 4s + 2c / (s + c) = 152/57

Or 228s + 114c = 152s + 152c

Or 76s = 38c

Or 2s = c

Also the question states that there are 19 more chickens than that of sheep.

Therefore c - s = 19 ... (1)

Substituting c = 2s in eq 1 we get

2s - s = 19

Or s = 19

(Next 4 questions are of interview type)

11) What is the prime difference between while and Do While Loop?

Answer:

Though while and do-while are loop statements, in Do While it is assured that the

statements within the loop will be executed at least once (even if the condition fails.)

12) What is the difference between a = ++b and a = b++?

Answer:

The first statement a = ++b can be broken down into two statements b = b + 1 followed

by a = b. Hence b will be incremented first and will be assigned to a. Hence values of a

and b will be same at the end.

The second statement a = b++ can be broken down into two statements a = b followed

by b = b + 1. Hence b will be assigned to a. Only after this assignment b will be

incremented. Hence values of a and b will be different at the end.

13) Is it necessary to use register modifier on all compilers irrespective of whether they

are old or modern ones ? Questions/Articles Extracted From www.CareersValley.com

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Answer:

No, compilers nowadays are intelligent enough to decide which variables need to be

kept in CPU registers depending upon the estimated usage.

14) Can a program be invoked from another program? If yes, how it can be done?

Answer:

Yes, a program can invoke another program using system calls.

15) Which of the following program structure/component/statement is not an example for

the implementation of modularization?

Options

a) DLL b) Functions c) type casting

Answer:

Option c) type casting. DLL and Functions help in modularization of a program while

typecasting just converts from one data type to another.

Useful Tip :: Prepare For Placement Papers By Exploring Common

Sections

Almost all of the companies have a placement test in their recruitment process. It is a

common tendency to prepare specifically for every company's paper at the

announcement of a recruitment drive either on campus or off campus. But most

youngsters fail to explore the common sections that exist across placement papers of

different companies so that they can complete their preparation in one shot.

What are the Common Sections?

With few exceptions, all most all companies give due importance to quantitative aptitude.

From chapters like time and speed, age, linear equations, averages etc.Questions/Articles Extracted From www.CareersValley.com

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Verbal sections like synonyms and antonyms (GRE type), filling with right tenses etc.

are again common across different placement papers.

Software placement papers also have questions from basic programming languages

like C.

Preparing on these common sections can help you to save much time.Questions/Articles Extracted From www.CareersValley.com

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How should you Plan your Preparation?

My first advice is that you should not wait till the last minute. Keep preparing on the

common sections mentioned above as much as you can.

CareersValley.com’s Placement Success Book priced at Rs. 400 will help you to a

great extent. In that book, we have explored and presented common sections and

repeated question types. When you get that book, you never have to prepare for every

company separately but can prepare simultaneously for all companies. For details visit

http://bookstore.careersvalley.com/Questions/Articles Extracted From www.CareersValley.com

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Infosys Sample Questions

1) 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

the 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)480000 c)240000 d)520000

Answer: b) 480000

Solution:

Let the distance between A and B be X and the speed initially be V.

The train travels 3X/8km with speed V and the remaining distance(X - 3X/8) km with

speed 3/5 of V. Ultimately the train was late by 1 hour.

According to the above condition with the formula " distance/speed = time", we can have

[(3X/8)/V]+[(X-(3X/8))/(3V/5)] = [X/V]+1

[3X/8V] + 5(8X-3X)/24V = [X/V]+1

9X+25X-24X / 24V = 1

10X-24V = 0 ..........eqn1

According to the question, if the train travelled 80km with speed V, another 80km with

4/5 th of V and the remaining distance(X-160)km with speed 1/2 of V then

[80/V]+[80/(4V/5)]+[(X-160)/(1V/2)] = [X/V]+3/2

80/V + 100/V + (2X-360)/V = X/V + 3/2

X-180 / V = 3/2

2X-3V = 360 .........eqn2

Solving eqn1 and eqn2

We have, X=480 and V=200

Thus the distance between A and B is 480km and the speed of the train is 200km/hour.

Hence 480km = 480000meters is the answer. Questions/Articles Extracted From www.CareersValley.com

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2) A man rides a bike with speed V for a distance X km. After completing 1/2 of his

journey he slows down to 1/2 of his initial speed and completes his ride half an hour later

than the planned time. What will be the ratio of the distance to the speed?

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

Answer: c) 1:1

Solution:

Let the distance be X and the speed initially be V.

Using the same logic as we used for the previous questions, we get,

X/2V + [X-(X/2)]/(V/2) = X/V + 1/2

X/2V + [4X-2X]/2V = X/V + 1/2

X/2V = 1/2

X = V or X/V = 1

Thus 1:1 is the required ratio.

3) Agil is twice as fast as Mugil. Mugil is thrice as fast as Annie. The distance covered

by Annie in 54 minutes will be covered by Mugil in \_\_\_ minutes.

a)27 minutes b)9minutes c)38 minutes d)18 minutes

Answer: d)18 minutes

Solution:

Let Annie's speed be X km/hr.

It’s given, Mugil is thrice as fast as Annie. Therefore Mugil's speed is a 3X km / hr.

Also it is said Agil is twice as fast as Mugil. Therefore, Agil's speed = Mugil's speed x 2 =

6X km/hr.

Therefore ratio of their speeds = 6X : 3X : X = 6 : 3 : 1

For a given distance, the time taken will be inversely proportional to speed.

Therefore, Ratio of times taken by the three friends Agil, Mugil and Annie = 1/6 : 1/3 : 1 =

1 : 2 : 6

If Annie takes 6 minutes then Mugil takes 2 minutes.

If Annie takes 54 minutes then Mugil takes [2/6 x 54] = 18 minutes.

Hence the answer is 18 minutes Questions/Articles Extracted From www.CareersValley.com

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4) At the time of his marriage Arunachalam was 29 years old. During marriage, his wife

was younger by 3 ½ years.20 years afterwards the total ages of Arunachalam, his wife

and their only son Kamalraj is 110 years. What will be the age of Kamalraj forty years

from now?

a) 35 1/2 years b) 45 1/2 years c) 25 years d) 30 years

Answer: a) 35 1/2 years

Solution:

I. During Marriage

Arunachalam's age = 29 years

Wife's age = 29 - 3.5 = 25.5 years

II. 20 years afterwards

Arunachalam's age = 29 + 20 = 49 years

Wife's age = 25.5 + 20 = 45.5 years

Let Son's age (20 years after marriage) = S

It is given that, 20 years after the wedding, Arunachalam's age + Wife's age + S = 110

Or 49 + 45.5 + S = 110

S = 15.5 years

III. 40 years afterwards.

Since we have found that the son was 15.5 years old 20 years after marriage, adding 20

to 15.5 will give age of Kamalraj after 40 years.

Therefore answer = 15.5 + 20 = 35.5 years =35 1/2 years.

5) Akbar told his friends Amar and Antony that he is fond of possessing multiple cell

phones and added as follows:

OF all cell phones I have, except 6, all are Nokia cell phones

OF all cell phones I have, except 5, all are Samsung cell phones

OF all cell phones I have, except 7, and all are LG cell phones.

How many Nokia, Samsung and LG cell phones?

a) 2 Nokia cell phones, 2 Samsung cell phones and 2 LG cell phones

b) 3 Nokia cell phones, 2 Samsung cell phones and 3 LG cell phones Questions/Articles Extracted From www.CareersValley.com

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c) 3 Nokia cell phones, 4 Samsung cell phones and 2 LG cell phones

d) 3 Nokia cell phones, 3 Samsung cell phones and 3 LG cell phones

Answer: c) 3 Nokia cell phones, 4 Samsung cell phones and 2 LG cell phones

Solution:

Again this question has to be solved by looking at the options one by one. While we are

leaving the exercise of inspecting each option for your practice, we will just see why

option c is right.

Option c states that there are 3 Nokia cell phones, 4 Samsung cell phones and 2 LG cell

phones.

The above option implies the below three things:

i) Except 3 Nokia + 4 Samsung = 7 cell phones, all the remaining 2 are LG cell phones

ii) Except 3 Nokia + 2 LG = 5 cell phones, all the remaining 4 are Samsung phones

iii) Except 2 LG + 4 Samsung = 6 cell phones, all the remaining 3 are Nokia phones.

All the above three interpretations coincide exactly with those given in the question.

Hence option c has to be right.

6) Eight friends Harsha, Fakis, Balaji, Eswar, Dhinesh, Chandra, Geetha, and Ahmed

are sitting in a circle facing the center.

Balaji is sitting between Geetha and Dhinesh. Harsha is third to the left of Balaji and

second to the right of Ahmed. Chandra is sitting between Ahmed and Geetha and

Balaji and Eshwar are not sitting opposite to each other. Who is third to the left of

Dhinesh?

Answer: Fakis

Explanation: Arranging the friends as per the question statement we can arrive at the

following diagram

Ahmed

Fakis Chandra

Harsha Geetha Questions/Articles Extracted From www.CareersValley.com

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Eswar Balaji

Dhinesh

Hence correct answer is Fakis.

7) A fast typist can type some matter in 2 hours and a slow typist can type the same in 3

hours. If both type jointly, in how much time will they finish?

Answer: 1 hr 12 min

Explanation: The fast typist’s work done in 1 hr = 1/2

The slow typist’s work done in 1 hr = 1/3

If they work jointly, work done in 1 hr = 1/2+1/3 = 5/6

So, the work will be completed in 6/5 hours. i.e., 1+1/5 hours = 1hr 12 min

8) Today is 4.11.09. Keeping that figure 41109 in mind, I have arrived at the following

sequence: 2, 1, 9, 5, \_. Which of the following four numbers can fill the dash?

Options

a) 7

b) 65

c) 4563

d) 262144

Answer: d) 262144

1^4 + 1 = 2

1^1 + 0 = 1

0^1 + 9 = 9

9^0 + 4 = 5

So next is 4^9 + 1 = 262144 Questions/Articles Extracted From www.CareersValley.com

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9) Let S be a Set of some positive integral numbers; with an average of 47; and

containing the number 83. The numbers may or may not be distinct .However ; when the

number 83 is removed ; the Avg drops to 46 .What is the largest number that can be

possibly contained in that Set ?

Solution:

Let S be the sum of that set of n positive integers. S/n = 47

(S - 83)/(n - 1) = 46

Solving the above 2 equations, we get S = 1739; n = 37.

This set of 37 positive integers contains 83. To get to the expected answer, we have to

Suppose that 35 of the remaining 36 integers has a value of 1 each (least +ve integer).

Thus, the largest possible integer in the set = 1739 - 83 - 35\*1 = 1621

10) Sum of squares of two numbers 'x' and 'y' is less than or equal to 100. How many

sets of integer solutions of 'x', 'y' is possible?

Answer: Total 317 solutions

Explanation:

x = 0, |y| <= 10 -> 21 solutions

|x| = 1, |y| <= 9 -> 38 solutions

|x| = 2, |y| <= 9 -> 38 solutions

|x| = 3, |y| <= 9 -> 38 solutions

|x| = 4, |y| <= 9 -> 38 solutions

|x| = 5, |y| <= 8 -> 34 solutions

|x| = 6, |y| <= 8 -> 34 solutions

|x| = 7, |y| <= 7 -> 30 solutions

|x| = 8, |y| <= 6 -> 26 solutions

|x| = 9, |y| <= 4 -> 18 solutions

|x| = 10, y = 0 -> 2 solutions

11) There is a unique number of which the square and the cube together use all

ciphers from 0 up to 9 exactly once. Which number is this?

Answer: The number is 69.

Explanation:

69^2=4761 and 69^3=328509 Questions/Articles Extracted From www.CareersValley.com

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12) You are standing next to a well, and you have two jugs. One jug has a content of

3 litres and the other one has a content of 5 litres. How can you get just 4 litres of

water using only these two jugs?

Solution:

Fill 3 litre jug pour to 5 litre jug

Fill again 3 litre jug and add to 5 litre jug then 1 litre will be there in 3 litre jug

Pour all water outside from 5 litre jug

Fill 1 litre water from 3 litre jug to 5 litre jug

Fill 3 litre jug and add to 5 litre jug making it 4 litres of water.

13) In a certain code RELATED to written as EFUBKDQ. How is RETAINS written in that

code?

Options:

a) SDQBTOJ b) JOTBQDS

C) JOTBSDQ d) TOJBSDQ

Answer: d) TOJBSDQ

Reason:

Inspecting how RELATED was written as EFUBKDQ, we can easily find that,

RELATED – is first written as DETALER

DETALER becomes EFUBKDQ (+1,+1,+1, +1,-1,-1,-1 – alphabetically)

Applying the same logic to RETAINS we get,

RETAINS is first written as SNIATER

SNIATER becomes TOJBSDQ (applying the above rule)

14) Six people – A,B,C,D, E and F are standing in a straight line facing north not

necessarily in the same order. B is standing to the right of D. A is standing fourth to the

left of F and F is not standing on the extreme end of the line. D is standing second to the

left of B. Questions/Articles Extracted From www.CareersValley.com

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In the above arrangement, which of the following pair represents the people standing at

the extreme ends of the line?

Options:

a) DF b) AC c) BC d) AF

Answer: b) AC

Reason:

Based on the information given seating arrangement is as follows:

North

A D E B F C

south

(Next 5 Questions are of interview type)

15) You would have heard of Data Source Names (DSNs) used while accessing

databases. Can you tell any three important attributes of DSN?

Answer:

Yes. Some important attributes of DSN include 1) Directory 2) User Id and 3) Password.

16) How many clustered and non clustered indices a table can contain? What is the

usual type of the primary key?

Answer:

A table can have only one clustered index but there can be many non clustered indexes.

Generally, a clustered index is created on the primary key.

17) Tell any two advantages offered by a DLL (Dynamic Link Libraries) to programmers.

Answer:

DLLs are shared across many processes. This sharing significantly reduces the memory

requirement which in turn provides better memory management.

DLLs can provide great functionality enhancements without much rework on applications

(like recompilation, relinking etc.). Questions/Articles Extracted From www.CareersValley.com

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18) Tell any two important features/characteristics of Telnet protocol?

Answer:

a. Telnet is bidirectional. That is participants can both send and receive information.

b. Telnet is a text oriented protocol.

19) Tell any two features of 'Sessions' used in communications over the internet.

Answer:

a. Generally sessions exist only for a predefined period of time. For example, if you are

accessing an eCommerce site, leaving the browser idle for an hour or so could

automatically log you out.

b. By default HTML communications are stateless. But sessions can make the

communication 'stateful'. For example, when you are accessing a shopping site, the

shopping server will know that the subsequent requests are from the same buyer i.e.

you. This state is maintained till session expiration. Questions/Articles Extracted From www.CareersValley.com

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Wipro Sample Questions

1) A merchant had a diamond, cost of which varies as a square of its weight. The

merchant broke the diamond into 3 pieces in the ratio (based on weights) 4:5:6. When

the pieces were sold he incurred a loss of Rs.444000. What could be the original price of

the diamond?

Options:

a)Rs.750000 b)Rs.665000 c)Rs.600000 d)Rs.675000

Answer: d) Rs.675000.

Solution:

As given, the weights of the broken pieces are in the ratio 4:5:6.

Let the actual weights of broken pieces be 4X,5X and 6X.

Then weight of the original diamond = 4X + 5X + 6X = 15X

Since the cost of a diamond varies as its square of the weight, the original cost will be

(15X)

2

= 225(X

2

). ...(1)

The total cost of individual pieces will be (4X)

2

+ (5X)

2

+ (6X)

2

= (16 + 25 + 36)x(X

2

) =

77(X

2

). ...(2)

The loss value = (1) - (2) = 225(X

2

)-77(X

2

) = 148(X

2

).

But the above loss value is given to be Rs.444000

Therefore, 148(X

2

)=Rs.444000

X

2

=Rs.444000/148.

=Rs.3000

Original cost = 225(X

2

) = 225 x 3000

= 675000

Hence the answer is Rs.675000.

2) X and Y can complete a work in 12 days and 10 days respectively. With the help of Z,

X and Y can together complete the work in 5 days for a total wage of Rs.6000. Then

what wage should be paid to Z for his part of the work?

Options:

a) Rs.1000 b) Rs.1500 c) Rs.500 d) Rs.2000 Questions/Articles Extracted From www.CareersValley.com

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Answer : c) Rs.500

Solution:

From given data,

X's 1 day work = 1/12

Y's 1 day work = 1/10

If X,Y and Z would complete the work in 5 days, then Z's 1 day work = One day work of

X,Y and Z combined - (One day work of X + One day work of Y) =

1/5 -[(1/12)+(1/10)].

= 1/5 - 11/60 = 1/60.

Now we have to find Z's share of the salary.

X's share : Y's share : Z's share = 1/12 : 1/10 : 1/60 = 5 : 6 : 1

Z's share of wage from the total wage of Rs.6000 = 1/(5 + 6 + 1) x 6000 = Rs.500

3) Gautam is good in sculpturing. He makes a sculpture of height 4 feet 8 inches and

places them on a sandal pedestal. If the total height of sculpture and the pedestal put

together is 7 feet 3 inches, what is the height of the pedestal?

Options:

a) 2 feet 4 inches b) 5 feet 2 inches c) 2 feet 7 inches d) none of these

Answer : c) 2 feet 3 inches

Solutions:

Total Height = Height of the sculpture + Height of the pedestal

7 feet 3 inches = 4 feet 8 inches + Height of the pedestal

Height of the pedestal = 7 feet 3 inches - 4 feet 8 inches

Writing all the measurements in units of inches we get,

Height of the pedestal = 7 x 12 + 3 inches - 4 x 12 + 8 inches = 87 inches - 56 inches =

31 inches = 2 x 12 inches and 7 inches = 2 feet 7 inches

4) John, Chief Executive Officer of Infacan , Mumbai drove by his Benz car from Mumbai

to New Delhi. He started at 2 pm and drove at 60 kmph. Around 2.30 pm his personal

assistant called him over his cell phone and told that John had not taken an important

paper with him and sought instructions from him. John advised his personal assistant to Questions/Articles Extracted From www.CareersValley.com

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send those papers through Don Lee. Don Lee started from Mumbai at 2.45 pm and he

was driving his Hyundai car at 75 kmph. At what time Don Lee will overtake John

assuming they travel at speeds indicated and they do not stop in between?

Options:

a) 5.15 pm b) 5.45 pm c) 5.30pm d) 6.00 pm

Answer: b) 5.45 pm

Solution:

Distance travelled by John before Don Lee starting from Mumbai is 45 km.

Relative speed of Don Lee with respect to John = 75 - 60 = 15 kmph.

Time taken by Don Lee to overtake John = Distance travelled by John before Don Lee

starting / Relative speed = 45/15 = 3 hours

So Don Lee will overtake at 2.45 + 3 = 5.45 hours

5) Raghavan and Krishnan started from Chennai to Mumbai in two different cars at 10

am one day. Raghavan was driving his car at 50 kmph and Krishnan was driving his car

at 40 km per hour. Around 11 am their friend Gopalan started in his car from Chennai

and drove his car at 70 kmph. At what time Gopalan will overtake Raghavan and

Krishnan?

Options:

a) 1.00pm and 12.20 pm b) 1.30 pm and 12.10 pm

c) 1.30 pm and 12.20 pm d) none of these.

Answer: c) 1.30 pm and 12.20 pm

Solution:

Raghavan and Krishnan would have travelled 50 km and 40 km by the time Gopalan

starts at 11 am.

Gopalan is driving at 70 kmph.

Relative speed – Gopalan with respect to Raghavan = 70 - 50 = 20 kmph

Distance travelled by Raghavan when Gopalan started = 50 km.

To catch up with Raghavan, time taken by Gopalan = Distance covered by Raghavan

when Gopalan starts / Relative speed of Gopalan with respect to Raghavan = 50/20 = 2

½ hours. Questions/Articles Extracted From www.CareersValley.com

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Therefore, he will overtake Raghavan at 11.00 + 2.30 = 1.30 pm.

Relative speed of Gopalan with respect to Krishnan = 30 kmph

Distance travelled by Krishnan when Gopalan started = 40 Km.

Time taken by Gopalan to cross Krishnan = Distance covered by Krishnan when

Gopalan started / Relative speed of Gopalan with respect to Krishnan = 40/30 = 1.33

hours = approximately 1 hour 20 minutes

Gopalan is starting at 11 am. So he will overtake Krishnan at 11 + 1hr 20 min = 12.20

pm

6) A 2 mb PCM (Pulse Code Modulation) has

Options

a) 32 voice channels

b) 30 voice channels & 1 signalling channel

c) 31 voice channels & 1 signalling channel

d) 32 channels out of which 30 voice channels, 1 signalling channel and 1

synchronization channel.

Answer: 31 voice channels & 1 signalling channel

7) Word alignment is

Options

a) aligning the address to the next word boundary of the machine

b) aligning to even boundary

c) aligning to word boundary

d) none of the above

Answer : aligning the address to the next word boundary of the machine

8) To send a packet data using datagram, when a connection will be established

Options

a) before data transmission

b) connection is not established before data transmission

c) no connection required Questions/Articles Extracted From www.CareersValley.com

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d) none of the above

Answer: no connection required

9) The status of the kernel is?

Options

a) task

b) process

c) not defined

d) none of the above

Answer : Process

(Next 8 questions are of interview type)

10) Briefly can you explain a 'database trigger'?

Answer:

A database trigger is a predefined code that gets executed based on certain events on

tables. For example, a trigger can be written that executes automatically whenever a

particular column gets updated in a table. Though they are memory intensive, they can

be used for critical background tasks to maintain data integrity.

11) Tell a common error encountered by programmers when using stack data structures

without proper precautions?

Answer:

Stack Overflow is a common error when dealing with stack data structures. This occurs

when data is pushed onto stack till a point when there is no further memory is available.

Good programming and understanding of the resource limitations of the underlying

machine can prevent these errors.

12) When a program is under execution, what does a Program Counter (PC) hold?

Answer:

When a program is in execution, the program counter holds the address of the next

instruction to be executed.Questions/Articles Extracted From www.CareersValley.com

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13) (Generally) In an application development life cycle, give the proper order of the

following stages: Testing, Test Plan Preparation, Development, and Requirement

Gathering.

Answer:

Correct order would be: Requirements Gathering, Test Plan Preparation, Development

and Testing.

14) Can you guess why IPv6 (Internet Protocol version 6) addresses came into

existence while still IPv4 is being used by many machines?

Answer:

The only reason could be the enormous growth in the number of machines using v4

addresses. This forces concerned agencies to raise the address pool by some means.

One of such ways was the introduction of IPv6 so that more machines can be

accommodated.

15) Consider two network layer devices, one operating at network layer and the other

operating at data link layer. In very generic terms, which one is more intelligent? Explain

with example.

Answer:

Generally a device that operates at a higher layer in OSI model is intelligent. For

example, there are switches that operate at data link layer and some others that operate

at network layer. Simply due to the additional capabilities of the switches that operate in

network layer they can be considered more intelligent.

16) What is the main drawback when using Hubs in networks?

Answer:

Hubs are least intelligent devices transmitting whatever data they receive into all the

output ports. Though this behaviour can be favourable in some cases, most of the times

this behaviour results in unnecessary traffic in the network. More network consumption

leads to problems like collision and congestion. Questions/Articles Extracted From www.CareersValley.com

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17) In socket communication happening between a client and a server, how can you tell

which one is a client and which is a server?

Answer:

Consider two network devices communicating through network sockets. In many cases a

client initiates a transaction. For example, your computer could request a web page from

a server. This implies that your computer is initiating the connection and is a client. The

responding machine will be the server. Questions/Articles Extracted From www.CareersValley.com

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CTS Sample Questions

1) A few students of Ramiah Engineering College went to a party in the nearby hotel to

celebrate the success of their College Cricket Team in a recent match. The total bill

amount was Rs.3200. The leader of the group found that two students had not brought

any amount with them. The two people requested others to share the bill and assured

them that they will pay afterwards. This resulted in each of the members paying Rs.80

more. How many students went to the party?

Options:

a) 10 b) 12 c) 16 d) none of these.

Answer: a) 10

Solution:

Let 'x' be the number of persons in the group and let 'y' be an amount per head which

they have to pay.

Then xy = 3200.

or y = 3200/x

Since two friends have forgotten the purse, x-2 persons should share the total amount

(3200).

If they share, they have to make an extra contribution of Rs.80 to pay up the bill

That is x-2 persons should pay y+80 each

or (x-2)(y+80) = 3200

or y+80 = 3200/(x-2)

or y = 3200/(x-2) - 80

Therefore we have got two equations namely,

y= 3200/x and y = 3200/(x-2) - 80

Comparing these two, we get

3200/x = 3200/(x-2) - 80

Solving this we get

x

2

- 2x -80 = 0

or (x-10) (x+8) = 0

or x = 10 or x = -8 Questions/Articles Extracted From www.CareersValley.com

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Since 'x' denotes the number of persons, it should be positive.

So, x =10

2) A group of teachers from Venkat Engineering College went to a hotel for celebrating a

happy event with an understanding all of them will share the expenses. The bill amount

was Rs.2560. Since four teachers did not bring their purse other teachers had to

contribute Rs.32 more. How many teachers contributed towards the bill settlement?

Options:

a) 24 b) 16 c) 20 d) none of these.

Answer: b) 16

Solution:

Let the number of teachers be x.

Total bill amount = Rs. 2560.

Share of each teacher = 2560/x

But, 4 teachers failed to bring their purse.

Number of teachers who actually paid = x - 4

Each one had paid Rs. 32 more than the planned share of 2560/x so as to settle the bill

amount of Rs. 2560

Therefore, (x- 4)(2560/x + 32) = 2560

2560 + 32x - 10240/x - 128 = 2560

Multiply both sides by x.

2560x + 32x

2

- 10240 - 128x=2560x

32x

2

- 128x - 10240=0

x

2

- 4x - 320=0

Factorizing the above equation, we get

(x - 20)(x + 16) = 0

x = +20 or -16

Since x cannot be negative, x = 20 = total number of teachers.

Since, 4 teachers did not carry their purses, number present at the party = 20 - 4 = 16

Therefore, our answer = 16. Questions/Articles Extracted From www.CareersValley.com

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3) What number should come at the place of the question mark?

16, 136, 1096, ?

Options:

a) 4998 b) 6884 c) 8776 d) none of these

Answer : c) 8776

Solution :

(16 x 8) + 8 = 136

( 136 x 8) + 8 = 1096

(1096 x 8) + 8 = 8776

4) Find the number that should replace the question mark.

4200, 1680, 672, ?

Options:

a) 268.8 b) 324.8 c) 242.8 d) 122.8

Answer : a) 268.8

Solution :

4200/2.5 = 1680

1680/2.5 = 672

672/2.5 = 268.8

5) Which number should replace the question mark?

25, 168, ? , 8176

Options:

a) 6176 b) 9176 c) 7776 d) 8176

Answer : d) 8176

Solution :

(25 x 7) - 7 = 168

(168 x 7) - 7 = 1169

(1179 X 7) - 7 = 8176 Questions/Articles Extracted From www.CareersValley.com

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6) Kashinath, can row 5 kmph in still water.When the rate of flow of the river is 2.0 kmph

, it takes Kashinath 1 hour to row to a ghat and return. How far is Kashinath’s starting

place from the ghat ?

Options:

(a) 2 km (b) 2.1 km (c)2.5km (d) 2.8 km

Answer : b) 2.1 km

Solution:

Let d be the distance of ghat from the point where Kashinath starts to swim.

Let Sk be the speed of Kashinath in still water

Let Sr be the speed of the stream (river)

Then, Sdown = Sk + Sr ...(1)

And Sup = Sk - Sr ...(2)

Time taken to travel downstream to ghat = d / Sdown

Time taken to travel upstream from ghat = d / Sup

Total time taken, T = d / Sdown + d / Sup

Substituting values from eq1 and eq2 in the above equation we get,

Or, T = d/(Sk + Sr) + d/(Sk - Sr)

T = d(Sk - Sr) + d(Sk + Sr) / (Sk + Sr)(Sk - Sr)

T = 2dSk / (Sk

2

-Sr

2

)

Or d = T (Sk

2

-Sr

2

) / 2Sk ...(3)

Note : Remember the above formula as this can prove to be a shortcut.

Substitute T = 1 hour, Sk = 5 Kmph and Sr = 2 Kmph in equation 3 we get

d = 1(5

2

- 2

2

) / 2x5 = 21 / 10=2.1 km

7) Janaki gets onto the elevator at the 8th floor of a building and rides up at the rate of

60 floors per minute. At the same time, Ajay gets on another elevator at the 71st floor of

the same building and rides down at the rate of 66 floors per minute. If they continue

travelling at these rates, then in which floor will their paths cross?

Options:

a.31st floor b. will never cross c.38th floor d.12thfloor Questions/Articles Extracted From www.CareersValley.com

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Answer : c. 38th floor

Solution:

Speed of Janaki upwards = 60 floors/min

Speed of Ajay downwards = 66 floors/min

No of floors in between 8th and 71st floors = 71 - 8 = 63 floors

Let t be the time after which they cross each other. In other words, after t minutes the

number of floors covered by Ajay downwards added to the number of floors Janaki

covers upwards should be equal to 63 floors. Putting this in the form of an equation we

get :

60t + 66t = 63

Or 126t = 63

Or t = 63/126 = 1/2 minutes

Therefore, in half a minute both will cross each other. Floors travelled by Janaki upwards

in 1/2 min can be found as below:

Time Floors

1 60

1/2 ?

Floors travelled by Janaki upwards in 1/2 min = 60/2 = 30 floors

Since Janaki is already starting from 8th floor, the floor of crossing counted from ground

floor will be 8 + 30 = 38th floor.

( Next 3 questions are of interview type )

8) Tell at least two uses of NORMALIZATION in designing tables and other structures in

a database?

Answer:

Normalization ensures that a) there is no redundant data storage and b) data

dependencies across tables (foreign keys) are suitable for the level of concurrency. Questions/Articles Extracted From www.CareersValley.com

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9) How Databases handle concurrent SQL operations on the same row of a table?

Answer:

Concurrent operations are handled by the use of "Locks". To be more clear, if one sql

query is updating (INSERT/UPDATE) a particular row of a table, no other sql query

would be able to update the same row at the same point in time. However other sql

queries can read (SELECT) columns from the row under updation.

10) In SDLC, what is black box testing (which comes under testing phase)?

Answer:

Black box testing is nothing but testing the actual functionality of a module/program at a

high level. Here one may test different outputs for different sets of inputs. Also the one

may not worry about the module/program internals under testing. Questions/Articles Extracted From www.CareersValley.com

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HCL Sample Technical Questions (DBMS)

1) Atomicity is \_\_\_\_\_

Options

a) Either all actions are carried out or none are. Users should not have to worry about

the effect of incomplete transactions. DBMS ensures this by undoing the actions of

incomplete transactions.

b) A concept which is used to model a relationship between a collection of

entities and relationships. It is used when we need to express a relationship

among relationships.

Answer: a) Either all actions are carried out or none are. Users should not have to

worry about the effect of incomplete transactions. DBMS ensures this by undoing the

actions of incomplete transactions.

2) The phase that identifies an efficient execution plan for evaluating a query that has

the least estimated cost is referred to as\_\_\_.

Options

a) Query optimization

b) Query String

Answer: a) Query optimization

3) Expansion of DDL is \_\_\_\_\_.

Options

a) Data Description Language

b) Data Definition Language

c) Data Degree Language

Answer: Data Definition Language

4) A collection of conceptual tools for describing data, data relationships data

semantics and Constraints is called as\_\_\_\_\_.

Options Questions/Articles Extracted From www.CareersValley.com

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a) Data base

b) Table

c) Data model

Answer: Data model

5) \_\_\_\_\_\_ is copying the three sets of files (database files, redo logs, and control file)

when the instance is shut down. This is a straight file copy, usually from the disk directly

to tape. You must shut down the instance to guarantee a consistent copy.

Options

a) cold backup

b) hot backup

c) Armstrong Rules

Answer: cold backup

6) \_\_\_\_\_\_\_ is a program module, which ensures that database remains in a consistent

state despite system failures and concurrent transaction execution proceeds without

conflicting.

Options

a) Transaction manager

b) File manager

c) None of these

Answer: Transaction manager

7) \_\_\_\_\_\_\_ is a program module that provides the interface between the low-level data

stored in database, application programs and queries submitted to the system.

Options

a) Buffer manager

b) Storage manager

C) None of these

Answer: Storage manager Questions/Articles Extracted From www.CareersValley.com

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8) A \_\_\_\_\_ with respect to DBMS relates to user commands that are used to interact

with a database.

Options

a) Connection string

b) Query String

c) Query

Answer: Query

(Next 4 questions are of interview type)

9) In Very Simple Terms, Can you describe what is actually a Database Server

instance?

Answer:

Every Database Server Instance is a complete server by itself with own set of

databases, login credentials etc. A single machine that has many server instances can

be logically compared to multiple machines with their own Database Server installations.

10) Will executing/operating more than one Database Server instances on a single

machine affect performance of applications adversely?

Answer:

More than one instance would require more memory and processor related resources

than single instance on the same machine. But, more than one instance can speed up

applications by allowing multiple applications to operate on multiple instances of

Database Server simultaneously.

11) What could be the role of a server administrator to keep up the performance of

machine with multiple instances?

Answer:

The server administrator is responsible for striking a balance between number of allowed

SQL instances and system's hardware resources. Questions/Articles Extracted From www.CareersValley.com

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12) Can databases on multiple instances have same names?

Answer:

Yes. Any database on an instance is completely local to that database. Questions/Articles Extracted From www.CareersValley.com

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Accenture Solved Questions

Note: some questions are directly given with answers and solutions without having

options.

(Next 12 questions are of interview type)

1) (State True or False). The Java interpreter is used for the execution of the source

code.

Options

True

False

Answer: True

2) What declarations are required for every Java application?

Answer: A class and the main ( ) method declarations.

3) What are the two primary components involved in executing a Java program and their

purposes?

Answer: Two parts in executing a Java program are:

Java Compiler and Java Interpreter.

4) What are the three basic OOPs principles and define them?

Answer: Encapsulation, Inheritance and Polymorphism are the three OOPs Principles.

Encapsulation:

Is the Mechanism that binds together code and the data? It manipulates, and keeps

both safe from outside interference and misuse.

Inheritance:

Is the process by which one object acquires the properties of another object?

Polymorphism:

Is a feature that allows one interface to be used for a general class of actions?

5) What are identifiers and what are their naming conventions in C?Questions/Articles Extracted From www.CareersValley.com

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Answer: Identifiers are used for class names, method names and variable names. An

identifier may be any descriptive sequence of upper case & lower case letters, numbers

or underscore or dollar sign and must not begin with numbers.

6) What is the return type of program’s main ( ) method?

Answer: void

7) What is the use of bin and lib in the JDK?

Answer: Bin contains all tools such as javac, applet viewer, awt tool etc.,

whereas Lib contains all packages and variables.

8) The Java source code can be created in a Notepad editor.

Options

a) True

b) False

Answer: True

9) In C, arrays can be passed by reference. State True or False.

Answer:

Yes, it is true; arrays are passed by reference (Though individual or group of elements of

the array can be passed by value/values as well.)

10) Name the function which takes two strings as arguments and copies the second

string into the character array of the first string. After this the function returns the value of

the first string.

Answer: strcpy is the answer.

11) Blocks are chosen randomly on a chessboard. What is the probability that they are

on the same diagonal?

Answer:

There are a total of 64 blocks on a chessboard. So 3 blocks can be chosen Questions/Articles Extracted From www.CareersValley.com

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out of 64 in 64C3 ways.

So the sample space is = 41664

There are 2 diagonal on chessboard each one having 8 blocks. Consider one of

them. 3 blocks out of 8 blocks in diagonal can be chosen in 8C3 ways.

But there are 2 such diagonals, hence favourables = 2 \* 8C3 = 2 \* 56 =

112 the required probability is

= 112 / 1664

= 1 / 372

= 0.002688

12) What is the area of the triangle ABC with A (e, p) B (2e, 3p) and C (3e, 5p)?

Where p = PI (3.141592654)

Answer:

A tricky ONE.

Given 3 points are collinear. Hence, it is a straight line.

Hence the area of a triangle is 0.

13) Silu and Meenu were walking on the road. Silu said, "I weigh 51 Kgs. How much do

you weigh?" Meenu replied that she wouldn't reveal her weight directly as she is

overweight. But she said, "I weigh 29 Kgs plus half of my weight”. How much does

Meenu weigh?

Answer

Meenu weighs 58 Kgs.

It is given that Meenu weighs 29 Kgs plus half of her own weight. It means that

29 Kgs is the other half. So she weighs 58 Kgs.

Solving mathematically, let's assume that her weight is X Kgs.

X = 29 + X/2

2\*X = 58 + X

X = 58 Kgs

14) Consider the sum: ABC + DEF + GHI = JJJ .If different letters represent different Questions/Articles Extracted From www.CareersValley.com

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digits, and there are no leading zeros, what does J represent?

Answer

The value of J must be 9.Since there are no leading zeros, J must be 7, 8, or 9. (JJJ =

ABC + DEF + GHI= 14? + 25? + 36? = 7??)Now, the remainder left after dividing any

number by 9 is the same as the remainder left after dividing the sum of the digits of that

number by 9. Also, note that 0 + 1 + ... + 9 have a remainder of 0 after dividing by 9 and

JJJ has a remainder of 0, 3, or 6. The number 9 is the only number from 7, 8 and 9 that

leaves a remainder of 0, 3, or 6 if you remove it from the sum 0 + 1 + ... + 9. Hence, it

follows that J must be 9.

15) Using two 2's and two 3's and using a maxim of three mathematical signs,

symbols, can you have a result in between 14 and 15? Concatenation (clubbing of

digits) allowed.

Solution:

(23 + 3! ) / 2 = 14.5

16) a\*b\*c\*d\*e + b\*c\*d\*e\*f + a\*c\*d\*e\*f + a\*b\*d\*e\*f + a\*b\*c\*e\*f + a\*b\*c\*d\*f = a\*b\*c\*d\*e\*f

and a,b,c,d,e and f are all positive nonrepeating integers then solve a,b,c,d,e, and f.

Solution:

Start with 1/2 + 1/2, then progressively split the last part x into 2x/3 + x/3. This gives the

following progression:

2, 2

2, 3, 6

2, 3,9,18

2,3,9,27,54

2,3,9,27,81,162

17) 729 ml of a mixture contains milk and water in ratio 7:2. How much of the water is to

be added to get a new mixture containing half milk and half water?

(i) 79 ml

(ii) 81 ml Questions/Articles Extracted From www.CareersValley.com

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(iii) 72 ml

(iv) 91 ml

Solution:

Milk Quantity = (729 \* (7/9)) =567ml

Water Quantity = (729-567) = 162ml

Let water to be added be x ml 567/(162+x) = 7/3 1701 = 1134 + 7x x = 81ml

18) If one-seventh of a number exceeds its eleventh part by 100 then the number is…

(i) 770

(ii) 1100

(iii) 1825

(iv) 1925

Solution:

Let the number be x. Then X/7 - x/11 =100 11x-7x = 7700 x=1925.

19) If 1.5x=0.04y then the value of (y-x)/(y+x) is

(i) 730/77

(ii) 73/77

(iii) 7.3/77

(iv) None

Solution:

x/y = 0.04/1.5 = 2/75

So (y-x)/(y+x) = (1 - x/y)/(1 + x/y) = (1 - 2/75)/ (1 + 2/75) = 73/77.

20) The smallest number which when diminished by 3 is divisible by 21, 28, 36 and 45

is...

(i) 869

(ii) 859

(iii) 4320

(iv) 1263

Solution: Questions/Articles Extracted From www.CareersValley.com

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The required number = l.c.m. of (21, 28, 36 ,45)+3=1263

21) If x and y are the two digits f the number 653xy such that this number is divisible by

80, then x+y is equal to:

(i) 2

(ii) 3

(iii) 4

(iv) 6

Solution:

80 = 2 x 5 x 10

Therefore, for 653xy to be divisible by 80, it has to be divisible by 2,5 and 10 as well.

Since 653xy is divisible by 2 as well as by 5, so y = 0

Now 653x0 is divisible by 8 so 3x0 should also be divisible by 8.

Only option which satisfies the above condition is x = 6. Questions/Articles Extracted From www.CareersValley.com

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IBM Solved Technical Questions

1) From a particular spot, Tom started to chase Jerry which had left the spot before 30

minutes. Tom ran across a highway and three streets. After travelling 1 hour Tom met

Jerry at a distance if 120 meters. Find the ratio of the speed of Tom to that of Jerry.

Options:

a)X=2,Y=1 b)X=3,Y=2 c)X=5,Y=2 d)X=4,Y=3

Answer: b)X=3,Y=2

Solution :

Part :1 To find the speed of Tom

As given in the question, the total time taken by Tom = 1 hour and

The total distance = 120 meters = 0.12 km

Now, the speed of Tom = distance / time = 0.12 / 1 = 0.12km/hr

Part :2 To find the speed of Jerry

The total time taken by Jerry = 30 minutes + 1 hour = 3/2 hour

Distance = 0.12km

Then, the speed of Jerry = 0.12/(3/2) = 0.08km/hr.

Part :3 To find the ratio of the speed of Tom to that of Jerry

Based on part 1 and 2, ratio of the speed of Tom and Jerry = 0.12:0.08 = 3:2

2. Evaluate [(1.386 x 0.643 + (2.921-1.535)x 0.357)/(0.6 x 0.015 + 0.6 x 0.985)]x(3 x 2.7

+ 3 x 0.3)

Options:

a)20.00 b)18.19 c)20.79 d)19.19

Answer: c)20.79

Solution:

The given expression can be simplified as follows;

[(1.386 x 0.643 + (1.386) x 0.357)/(0.6 x 0.015 + 0.6 x 0.985)]x(3 x 2.7 + 3 x 0.3)

= {[1.386 x (0.643 + 0.357)]/[0.6(0.015 + 0.985)]} x [3(2.7 + 0.3)]

= {[1.386 x 1.000]/[0.6 x 1.000]} x [3x3]

= [1.386 / 0.6] x [3 x 3] = 1.386 x 3/0.2 = 6.93 x 3 = 20.79 Questions/Articles Extracted From www.CareersValley.com

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3. Find the greatest number that exactly divides 7667, 4603, 12263 when each of these

is reduced by 7.

Options:

a) 2298 b) 1572 c) 1532 d) 2546

Answer : c) 1532

Solution:

(Actually this is a simple problem dealing with finding just HCF of the numbers after

subtracting 7 from each of these numbers. Since it immediately follows the I problem,

some readers could think it as complex as the first.)

the required number = h.c.f of [(4603-7),(7667-7),(12263-7)] (given that the numbers

leaves 7)

= h.c.f of (4596, 7660, 12256)

= 1532. Questions/Articles Extracted From www.CareersValley.com

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Syntel Solved Aptitude Questions

1. Find the missing number in the sequence 2,5,4,7,\_

Options

a) 6 b) 4 c) 5 d) 7

Answer is : 6.

Just consider the sequence 3, 4, 5, 6, 7 and start subtracting and adding 1 to

consecutive numbers which will get you the sequence in question.

2. In an alien planet, the word "lion" is coded as "mhpm". Then how the word "tiger" would

be coded as?

Options

a) uhids

b) uhhds

c) uhhfs

d) uhhfq

Answer is : uhhds.

Reason : First letter in a word would be replaced by the next adjacent letter. Second

letter would be replaced by the immediately preceding letter... and so on.

3. Find the odd man out a) 123 b) 235 c) 135 d) 358

Answer is: 135.

Adding first two digits will give the third digit in all the other three options except option C

4. Read the following statements.

"Weather is good in all northern cities of India.

Unlike northern cities, sunny weather exists in most of eastern cities of India.

Warm weather exists in all northern cities and some eastern cities of India."

Considering above statements, which of the following statements is false

a) Warm weather is considered good.

b) All eastern cities experience bad weather

c) Some eastern cities experience good weather Questions/Articles Extracted From www.CareersValley.com

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Answer: b) All eastern cities experience bad weather is false.

This is because, the second statement clearly states that warm (good) weather prevails

in some eastern cities.

5. A bookseller sells a particular novel at 10% discount on the labelled price. Also he is so

generous that he gives a free book for every 15 books for wholesale buyers. In this

transaction his gain is 35%. Then find the ratio of Ratio of Labelled Price to the actual

CP.

Answer:

Lets assume the CP of each book be 100. Hence CP of 16 books would be

1600. SP of 15 books = 1600 + (1600 \* 35/100) = 2160.

SP of each book would be 2160/15 = 144.

If SP of each book is 90, labelled price would be 100 (since he gives at a 10%

discount). Hence if SP is 144 marked price would be 144\*(100/90) = 160.

Ratio of Labelled Price to the actual CP = 160/100 = 8/5.

6. If a pen is being sold at 4% profit instead of 4% loss the actual profit is Rs 16. What is

the actual cost price of the pen?

Answer:

Let x be the CP. (104/100)x - (96/100 )x = 16.Solving we get x = Rs.200.

7. A cake seller sells one cake at a profit of 10% and sells another at a loss of 5%. Let the

ratio of the CPs of the cakes is 2:3 respectively. Find his net profit or loss percentage.

Answer:

Let the CPs of the cakes be 2x and 3x (so that they are in the ration 2:3 as per the

question.)

Hence net CP = 5x.

SP of first cake = (110/100)\*2x = 220x/100 SP of second cake = (95/100)\*3x = 285x/100

Net SP = (220x/100) + (285x/100) = 505x/100 = 5.05x. SP is greater than CP

and his profit is 5.05x - 5x = .05x. His profit percentage = (.05x/5x)% = .01%. Questions/Articles Extracted From www.CareersValley.com

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HP Sample Questions

1) If one-seventh of a number exceeds its eleventh part by 100 then the number is…

Options:

(i) 770

(ii) 1100

(iii) 1825

(iv) 1925

Answer: (iv) 1925

Solution: Let the number be x. Then X/7 - x/11 =100 11x-7x = 7700 x=1925.

2) The ratio of Rita's age to her mother's age is 3:8. The difference of their ages is

35 years. The ratio of their ages after 4 years will be:

Options:

(i) 7:12

(ii) 5:12

(iii) 38:43

(iv) 42:47

Answer: (ii) 5:12

Solution:

Let their ages be 3x and 8x

8x - 3x =35

x =7

Their present ages are 21 and 56 years.

Ratio of their ages after 4 years are 25:60 = 5:12

3) A tap can fill the tank in 15 minutes and another can empty it in 8 minutes. If the tank

is already half full and both the taps are opened together, the tank will be:

Options:

(i) filled in 12 min

(iii) emptied in 12 min

(iv) filled in 8 min Questions/Articles Extracted From www.CareersValley.com

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(v) emptied in 8 min

Answer: 8 minutes

Solution:

Rate of waste pipe being more the tank will be emptied when both taps are

opened.

Net emptying work done in 1min = (1/8 -1/16) = 1/16

So full tank will be emptied in 16 min

Half tank will be emptied in 8 minutes.

4) A man can row 5 kmph in still water. If the river is running at 1kmph, it takes him

75 minutes to row to a place and back. How far is the place?

Options:

(i) 3km

(ii) 2.5 km

(iii) 4 km

(iv) 5 km

Answer: 3 Km

Solution:

Speed downstream = (5+1)km/hr = 6 km/hr Speed upstream = (5-1)km/hr = 4 km/hr

Let the required distance be x km x/6 + x/4 = 75/60 2x+3x = 15 x = 3km

5) If log 0.317=0.3332 and log 0.318=0.3364 then find log 0.319?

Options:

(i)0.3396

(ii)0.3369

(iii)0.3368

(iv)0.3338

Answer: 0.3396

Solution: log 0.317=0.3332 and log 0.318=0.3364,

then log 0.319=log0.318+(log(0.318-0.317)) = 0.3396Questions/Articles Extracted From www.CareersValley.com

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6) In a hotel, rooms are numbered from 101 to 550. A room is chosen at random.

What is the probability that room number starts with 1, 2 or 3 and ends with 4, 5 or 6?

Answer

There are total 450 rooms.

Out of which 299 room number starts with either 1, 2 or 3. (as room number

100 is not there) Now out of those 299 rooms only 90 room numbers end with

4, 5 or 6.So the probability is 90/450 i.e. 1/5 or 0.20.

7) Difference between Bholu's and Molu's age is 2 years and the difference between

Molu's and Kolu's age is 5 years. What is the maximum possible value of the sum of

the difference in their ages, taken two at a time?

Answer

The maximum possible value of the sum of the difference in their ages - taken two at a

time - is 14 years.

8) A 31" x 31" square metal plate needs to be fixed by a carpenter on to a wooden

board. The carpenter uses nails all along the edges of the square such that there are 32

nails on each side of the square. Each nail is at the same distance from the

neighbouring nails. How many nails does the carpenter use?

Solution: 32\*2 + 30\*2=124

9) It was vacation time, and so I decided to visit my cousin's home. What a grand time

we had! In the mornings, we both would go for a jog. The evenings were spent on the

tennis court. Tiring as these activities were, we could manage only one per day, i.e.,

either we went for a jog or played tennis each day. There were days when we felt lazy

and stayed home all day long. Now, there were 12 mornings when we did nothing, 18

evenings when we stayed at home, and a total of 14 days when we jogged or played

tennis. For how many days did I stay at my cousin's place?

Solution:

Use sets and Venn diagram to solve such questions. a, b ,aυb, anb etc.

12=tennis+leave Questions/Articles Extracted From www.CareersValley.com

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18=jog+leave so jog-tennis=6

again jog+tennis=14. So solve and get jog=10,leave=8,tennis=4. so tot=22

10) How many even integers n, where, are divisible neither by seven nor by nine?

Solution:

There are 101 integers in all, of which 51 are even. From 100 to 200, there are 14

multiples of 7, of which 7 are even. There are 11 multiples of 9, of which 6 are even.

But there is one integer (i.e. 126) that is a multiple of both 7 and 9 and also even. Hence

the answer is (51 – 7 – 6 + 1) = 39

11) Four persons A, B, C and D are playing cards. Each person has one card, laid

down on the table below him, which has two different colours on either side.

No card has the same color on both sides. The colours visible on the table are Red,

Green, Red and Blue respectively. They see the color on the reverse side and give

the following comment.

A: Yellow or Green

B: Neither Blue nor Green

C: Blue or Yellow

D: Blue or Yellow

Given that out of the 4 people 2 always lie find out the colours on the cards each

person.

ANSWER:

Try all possible combinations. Keep in mind two things. THE combination obtained

Should satisfy the conditions

1. Two are lying and two are telling the truth

2. Neither two cards are similar nor are two sides of a card are of same color

A YELLOW

B YELLOW

C GREENQuestions/Articles Extracted From www.CareersValley.com

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D RED

12) Four tourists A,B,C,D and four languages English, German, French and Italian.

They are not able to converse among themselves in one language. Though A does

not know English he can act as an interpreter between B and C. No one spoke both

French and German. A knows German and was able to converse with D who doesn’t

know a word in German. Only one language was spoken by more than two persons.

Each spoke two languages. Find who spoke what.

ANSWER:

A B C D

GERMAN FRENCH GERMAN ITALIAN

ITALIAN ITALIAN ENGLISH ENGLISH

13) Grass in lawn grows equally thick and in a uniform rate. It takes 40 days for 40

cows and 60 days for 30 cows to eat the whole of the grass. How many days does it

take for 20 cows to do the same?

ANSWER:

g - grass at the beginning

r - rate at which grass grows, per day

y - rate at which one cow eats grass, per day

n - no of cows to eat the grass in 96 days

g + 40\*r = 40 \* 40 \* y------- 1

g + 60\*r = 30 \* 60 \* y------- 2

g + n\*r = 20 \* n \* y-------- 3

from 1 and 2

r=10y g=120r

from 3 Questions/Articles Extracted From www.CareersValley.com

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nr=120r

Solving, n = 120

14) Lucia is a wonderful grandmother. Her age is between 50 and 70.Each of her sons

has as many sons as they have brothers. Their combined number gives Lucia’s age.

What is the age?

ANSWER

Let the no. of Lucia’s sons = n

No. of brothers for each son = n-1

No. of sons for each of Lucia’s son = n-1

Lucia’s age = n-1 \* n-1

= a perfect square between 50 and 70

= 64

15) Gold is 19 times as heavy as water and copper is 9 times as heavy as water. In what

ratio should these be mixed to get an alloy 15 times as heavy as water?

Options:

(i) 1:1

(ii) 2:3

(iii) 1:2

(iv) 3:2

Solution:

Let 1gm of gold be mixed with x gm of copper to give (1+x)gm of the alloy.

1G=19W, 1C = 9W and alloy = 15W 1gm gold + x

16) What is not a part of OS?

Options:

a) swapper

b) compiler

c) device driver

d) file system Questions/Articles Extracted From www.CareersValley.com

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Answer is compiler

17) Which is the protocol used by PING?

Options:

a)ICMP

b)HTTP

c)SMTP

d)RTSP

Answer is ICMP Questions/Articles Extracted From www.CareersValley.com

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General Aptitude & Verbal Questions

Can be used for all IT Companies like L&T, Amazon, 3i Infotech,

Alcatel etc.,

1) A starts a project of duration of 15 months with capital Rs.60000. 3 months

after the start, B joins with A and invests one fourth of that of A. After another 6

months, C joins with capital Rs. 90000. At the end of the year, A withdrew the

partnership leaving the firm to be run by B and C. What will be the shares of B

and C if total profit is Rs.50000?

Options:

a)Rs.25000, Rs.6250 b)Rs.6250,Rs.18750

c)Rs.18750, Rs.6250 d)Rs.25000,Rs.18750

Answer: b)Rs.6250,Rs.18750.

Solution:

A works since start of the project but withdrew 3 months before completion.

Therefore, he works for 15 - 3 = 12 months

B works 3 months after start of the project and continues till end. Therefore, his

duration of partnership = 15 - 3 = 12 months

C joins 9 months after A started business (6 months after B who was already late

by 3 months) and works till completion. Therefore, his duration = 15 - 9 = 6

The ratio of their profits =(60000 x 12):(1/4 x 60000 x 12):(90000 x 6)

=720000:180000:540000

=4:1:3

Now let us find the respective share of profits out of total profit Rs.50,000

A's share= 4/8 x 50000 = 25000

B's share = 1/8 x 50000 = 6250

C's share = 3/8 x 50000 = 18750.

Based on above results, our answer is option b. Questions/Articles Extracted From www.CareersValley.com

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2) Arun says that his weight is in the range of 58 kg to 64 kg. His brother weight

is 62 kg and Arun's weight is not more than that of his brother's. Also, as a matter

of fact, Arun's weight is in between 60 kg and 65 kg. If all the above statements

are true, then find the average weight of Arun.

Answer: 60.5 kg

Solution:

Let the weight of Arun be x.

In Arun's view, 58 < x < 64 ...(1)

Based on his brother's estimation we have x < = 62 ...(2)

also given that 60 < x < 65 ...(3)

Combining, (1),(2) and (3) we have 58 < 60 < x < = 62 < 64 < 65

Simplifying the above inequality, we get, 58 < x < = 62

Probable values for x are 59,60,61 and 62

Average of the probables are(59+60+61+62)/4 = 242/4 = 60.5

3) Before 5 years, the sum of the ages of Ragu and Suresh was 80 years. The

sum will be 104 years after 7 years. What could be possible combinations of

ages from among the options.

a) 50, 40 b) 25,65 c) none of these d)both a & b

Answer: d) both a & b

Solution:

Let the age of Ragu be x and that of Suresh be y

Before 5 years, the sum of ages was 80, i.e x - 5 + y - 5 = 80

Or x + y = 90 ...(1)

After 7 years, the sum will be 104, i.e x + 7 + y + 7 = 104

or

i.e. x + y = 90 ...(2)

Equations 1 and 2 indicate that the sum of the ages has to be 90. Questions/Articles Extracted From www.CareersValley.com

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Both option a and option b have listed ages whose sum is 90. Hence there are

two possible solutions from among options. Hence option d) is correct answer.

4) During Summer holidays, Deepa and Ramya visited their uncle who was

residing in a village. It was a different experience in the village for these two girls.

Aunty engaged them teaching how to play games with marbles.In one particular

game both Ramya and Deepa had the same number of marbles when they

started playing.After sometime Deepa gained 50 marbles. After some time

Deepa lost 3/5 th of what she had. At the same instance Ramya had 3 times as

many marbles as Deepa had. Can you find out the number of marbles the girls

had at the start ?

Options:

(a) 100 (b) 200 (c) 175 (d)140

Answer : b) 200

Solution:

It is stated that both Deepa and Ramya had the same number of marbles to start

with. Let us assume both of them had x number of marbles when the game

began. After sometime Deepa gained 50 marbles, which means she had x+50

marbles and Ramya had x-50 marbles.

Later, Deepa lost 3/5th marbles. Therefore, Deepa had (x + 50) - (3/5)( x + 50) =

2/5 (x+50)

These lost 3/5th of marbles by Deepa would had been gained by Ramya

These 2/5 (x+50) marbles would have been gained by Ramya. Therefore, she

would have had x - 50 + 3/5(x + 50). At that particular instance, Ramya's marble

count was thrice that of Deepa.

i.e 3 \* 2 / 5(x + 50)= x - 50 + 3 / 5(x + 50)

6 / 5 (x + 50)=8/5 x - 20 or

6x+300=8x-100 (By multiplying both sides by 5) Questions/Articles Extracted From www.CareersValley.com

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2x= 400 or x=200

The number of marbles Deepa and Ramya had initially = 200.

5) Roushan was a B.E student pursuing studies in the city of Vizag. During

summer holidays he visited his village.In the courtyard of his house, there are

many hens and goats. Roushan asked his sister as to how many hens are there

in the courtyard. His sister who is a village girl gave her reply like this : If you

count all the heads you will get 300. But if you count the legs you will get 700.

Can you help Roushan in calculating the number of hens.

Options:

(a) 200 (b) 250 (c) 600 (d) 400

Answer : b) 250

Solution:

Let us assume that x number of hens and y number of goats are there in the

courtyard.

x+y = 300, -------(1) since the total head count is given as 300.

Its given, there are totally 700 legs when counted. We know the hens have two

legs and the goats have 4 legs. Therefore

2x+4y= 700 -------(2)

(1)x2 will give, 2x+2y=600 -------(3)

(2)-(3) will give you, 2y=100 and y=50.

Substituting in equation (1) you get x value as 250

6) Green and blue coloured toys are 149 in number in a box. Two green toys are

removed from the lot and now there are twice as many green ones as blue ones.

How many green coloured toys are there now?

Options:

a) 76 b) 86 c) 90 d) 98 Questions/Articles Extracted From www.CareersValley.com

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Answer: d) 98

Solution:

Let x and y be the original number of green and blue toys respectively. Originally

there were 149 toys. Hence,

x + y = 149 ----------(1)

After two green toys were removed, the number of green toys becomes twice

that of the blue toys.

X-2 = 2 y -----------(2)

Solving eq 1 and eq 2 we get

3 y = 149-2=147

y= 49

The current number of green toys (after removal of two) is twice as that of blue

ones.So the green toys are 98 in number.

7) Ganesh Ram starts in his luxurious Honda City for a week end holiday trip to a

near by hill station. The road was in a poor condition and the car tire got

punctured in the mid way. Before he could reach out for help he wanted to

measure how long he can sustain the repair. The first puncture by itself would

make the tire flat in 9 minutes. The second puncture by itself would make the tire

flat in 18 minutes. How long will it take for both the punctures together to make

the tire flat, if Ganesh Ram assumes that the air leaks at a constant rate?

Options:

(a) 3 3/5 minutes (b)13 1/2 minutes

(c) 6 minutes (d)27 minutes

Answer : c) 6 minutes

Solution: Questions/Articles Extracted From www.CareersValley.com

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This is a time and work problem.

In each minute, the first puncture will leak 1/9th of the air and the second

puncture in one minute will leak 1/18th of the air. When both are punctured

together effective leak per minute will be 1/9 +1/18=3/18 or 1/6th of the air.

So, in 6 minutes time the entire tire will be flat. Hence, correct answer is option

(c)

8) The district collectorate at Thanjavoor had a flag post with the tri colour flag

flying. The 18 m high flags post casts a shadow of length 42m. Collectors

residential quarters cast a shadow of 28m under similar conditions. Calculate the

height of the building?

Options:

(a)14m (b)15m (c)12m (d) 16.5m

Answer: c)12m

Solution:

Height of the flag post = 18m

Length of the shadow of flag post = 42m

Let the height of Collector's residential quarters be x m

Length of the shadow of Collector's residential quarters = 28m

Under similar conditions, we can safely assume that the shadows are

proportional to the heights.

Therefore we can write, Length of the shadow of the flag post / Height of the flag

post = Length of the shadow of Collector's residential quarters / Height of

Collector's residential quarters

Substituting length and height values in the above equation we get

42/18 = 28/x Questions/Articles Extracted From www.CareersValley.com

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x = 28 x 18/42 = 4 x 18/6 = 4 x 3 = 12m

Therefore our answer is 12 m.

9) Ranjit Kumar purchased a new watch in Burma Bazaar. Sooner he found that

the uniformly gaining watch starts with a lag of 2 minutes at noon on a particular

Monday and it is 4 minutes 48 seconds fast at 2PM on the following Monday.

Please guide Ranjit Kumar when the clock would show the true time ?

Options:

(a)2PM on Tuesday (b)2PM on Wednesday

(c)3PM on Thursday (d)1PM on Friday

Answer: b)2PM on Wednesday

Solution:

12 noon Monday to 2PM next Monday is 7 days and 2 hours. i.e. 7 x 24 +2 = 170

hours.

The new watch purchased by Ranjit Kumar was 2 minutes slow and by 170

hours it was fast by 4 minutes 48 seconds. (4 minutes 48 seconds can be written

as 4 48/60 or 4 4/5 minutes.)

Therefore the total gain in 170 hours = 2 minutes + 4 4/5 minutes = 34/5 minutes

= 408 seconds

Gain per hour = 408/170 = 2.4 seconds.

It is given that the watch was slow by 2 minutes (120 seconds) initially. Therefore

the time at which the watch will make up for the lost 2 minutes by gaining 2

minutes or 120 seconds will be our answer.

2.4 seconds are gained in 1 hour.

120 seconds will be gained in 1/2.4 x 120 =50 hours.

So the watch will show right time in 50 hours from Monday 12.00 noon ie at

Wednesday 2.00 PM. Questions/Articles Extracted From www.CareersValley.com

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10) Dilip is a book worm and his wife Rama Dilip is also a voracious reader. Dilip

reads at an average rate of 40 pages per hour, while Rama Dilip reads at an

average rate of 50 pages per hour. Dilip starts reading a novel at 4.30 PM and

Rama Dilip begins reading an identical copy of the same book at 5.20 PM. At

6.00 PM suddenly a family friend arrived and both husband and wife had to

spend 30 minutes with the guest. Thereafter, they started reading again. At what

time will both husband and wife will be reading the same page?

Options:

(a)10.00PM (b) 9.30 pm (c) 9.10 PM

(d) 8.20Pm (e) 7.30 PM

Answer: c) 9.10 PM

Solution:

We have to find out when Rama Dilip will catch up with Dilip. Dilip reads at the

rate of 40 pages per hour and Rama Dilip reads at the rate of 50 pages per hour.

Dilip starts 50 minutes ahead of his wife. Since 50 minutes is 5/6 of an hour, by

the time Rama Dilip starts reading at 5.20 PM, Dilip has already read 5/6

x40=200/6 pages. Please note that Rama Dilip is faster by 10 pages per hour as

compared to her husband.

Since Dilip started with 200/6 pages ahead at 5.20 PM to catch up with Dilip it

should take Rama Dilip 200/6 pages / 10 pages per hour. ie 200/60 hours or 3

hours 20 minutes. And of course the common time spent by both husband and

wife chatting with guest is 30 minutes. So to catch up with Dilip, Rama Dilip

requires 3 hours 20 minutes + 30 minutes or 3 hours 50 minutes. Rama Dilip and

Dilip will be reading the same page at 5.20 PM + 3 hours 50 minutes ie by 9.10

PM. Questions/Articles Extracted From www.CareersValley.com

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11) All Win Recreation Club is a famous club in the city of Vijayawada. A general

body meeting of the club was convened to discuss the expenses that was

incurred during an inter club tournament.The total expenses were for Rs.5000/-.

All the club members agreed in the first instance to share the expenses among

themselves. However, five members of the Club chose to resign, leaving the

remaining members to pay an extra Rs 50 each. What is the original membership

of the club?

Options:

(a) 33 (b)35 (c)28 (d) 25

Answer: d) 25

Solution:

Let us assume there are originally T members in the club.

Total expense as per plan = Rs. 5000

This means everyone has to pay Rs. 5000/T

However 5 members resigned. This means the budget was short by 5 x 5000/T

...(1)

Number of remaining members = T - 5

This shortcoming was balanced by the remaining members as they paid an extra

of Rs. 50 each.

Total extra amount paid = 50 x (T - 5) ...(2)

Since total shortcoming is balanced by extra amount paid, values of 1 and 2

should be equal

Therefore, 5 x 5000/T = 50 x (T - 5)

25000/T = 50 (T-5)

Multiplying both sides by T, we get

25000= 50T2-250T or

50T2 - 250T-25000=0 Questions/Articles Extracted From www.CareersValley.com

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Factorising you get,

(T-25) (T+20) = 0

T = 25 or T = -20

Since total members cannot be negative, T = 25

12) Find the odd option among : astronomy,science, telescope, astrology

Answer: astrology

'Astronomy' refers to a 'Science' where celestial space and bodies are studies

using devices such as 'Telescope'. 'Astrology' is an entirely different concept

13) Find the odd option among:

Options:

a) Gaur b) blackbuck c) Sambar d) Swallow

Answer: d) Swallow

Reason:

First three options namely Gaur, Blackbuck and Sambar refer to animals while

Swallow is a bird. Hence d is the answer.

14) \_\_\_ of Indian painters and musicians who lived during medieval period is to

be wondered about and appreciated.

Options:

a. Artistry

b. Works

c. Sculptures

d. Innovation

Answer: a. Artistry Questions/Articles Extracted From www.CareersValley.com

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Artistry refers to work in the field of art. Though option b Works fits the blank, it

may not as good choice as Artistry. Sculptures and Innovation do not fit the blank

either. Hence option a is the right answer.

15) Which of the following is an appropriate synonym for the word Debauch?

Options:

a) Demoralize

b) Encourage

c) Cultivate

Answer : a) Demoralize

16) Find the synonym of Decreed?

Options

a) made up one's mind

b) disagree

c) decrease in quantity

Answer: a) made up one's mind

17) What is an appropriate synonym for Bifid?

Options

a) Divided

b) Divided in two

c) Timid

Answer: a) Divided

18) Find the antonym for gaurish.

Options

a) Cheap

b) Flashy

c) Costly

Answer: a) Cheap Questions/Articles Extracted From www.CareersValley.com

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19) Choose an appropriate antonym for the word deliberate.

Options

a) unintended

b) targeted

c) focussed

Answer: a) Unintended

20) Choose the antonym for Sorrow.

Options

a) Joy

b) empathy

c) sympathy

Answer: a) Joy Questions/Articles Extracted From www.CareersValley.com

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Section II – Jobs Help

1) How To Write A Great Resume?

Do you know that 90% of the resumes carry 'Computer Networks' and 'Database

Concepts' as areas of interest? You would agree that there is no good reason to

have these subjects as areas of interest other than being relatively easier topics to

answer. This is ideally how your resume SHOULD NOT LOOK LIKE!

Why Resumes Are So Important?

Resumes are always great way to leave a first impression to your interviewer before

even answering his questions. But most youngsters fail to make a resume that can stand

apart from the others.

Why Resumes Should Stand Apart?

Simple answer to this question is the increasing competition and emerging talents. Year

after year the competition is growing steadily due to the increasing number of fresh

graduates with not a proportional increase in vacancies. Hence it is extremely important

that you give your best while writing resumes.

How Should You Write Your Resume?

Actually, the technique is simple. Keep the resume short and straightforward. Don't use

the same areas of interest as 99 others will use. Instead think of subjects which you

genuinely liked and include those. Don't include the common 'Class Leader'

achievement in your resumes. I used to conduct interviews and used to wonder how

many class leaders are posting resumes to my company :).

More importantly you need to copy the declaration like (first two lines of declaration Questions/Articles Extracted From www.CareersValley.com

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which many resume formats contain) from your friend's resume. It is better not to include

one.

How Should You Order The Sections?

It is always good to start with high school and college marks. Following that you should

be having your areas of interest followed by skills and achievements.

This is all about writing great resumes. Don't forget to leave your comments in the 'share

your thoughts' section at the end of this page.Questions/Articles Extracted From www.CareersValley.com

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2) Usefulness Of SAP Training?

If you are not already aware, SAP is among the world's leading business management

software used by many large and medium sized companies worldwide. SAP is a huge

business suite which requires trained professionals to manage and operate. With more

and more businesses automating their business with SAP, there is a growing need for

graduates trained in SAP.

What is the best time to undergo training?

There is no specific best time to learn SAP. In fact, SAP training is being provided by

many leading institutes like NIIT in India. To add to the benefits, the courses are not only

offline, but online courses are available as well.

If you are a graduate or postgraduate or an experienced person looking to switch jobs,

SAP can help you a lot to go to the next level in your career.

Is there any specific qualification to undergo training?

Actually, any graduate degree is considered for enrolment (registration) for SAP

courses. Training programs are designated in a way that the course covers

everything from basics.

How to get started?

Wherever you may be, whatever may be your qualification, you can get started

immediately by enrolling to any of reputed SAP training centres’ offering certification

in SAP.

What about future demand?Questions/Articles Extracted From www.CareersValley.com

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Whatever may be the market condition, recession or whatsoever, business are not going

to stop installing SAP related software to automate their businesses. This fact is an

assurance that SAP trained graduates will be required in more numbers in future. Also

the demand would steadily raise.Questions/Articles Extracted From www.CareersValley.com

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3) Usefulness Of J2EE Training?

Are you a fresher aspiring for job with any leading software company? Else are you an

experienced person looking to switch company? You might be missing something if you

have not considered undergoing J2EE training either offline or online.

Why J2EE is important?

Two most commonly used web based technologies across companies are DotNet and

J2EE.Among these, Dot Net is a proprietary technology requiring investment from

company on softwares and rights. However J2EE is an open source framework which is

equally good as Dot Net and don't cost much to the company. This fact is being

exploited for creating of new programs in J2EE by companies. Several large companies

have started migrating their existing applications to J2EE as well. These factors make

J2EE a very important one.

Why Web Technologies are significant?

This is an era where companies have realized the efficiency and cost effectiveness

of implementing client server architecture to their existing traditional applications.

Hence companies would prefer candidates with certification in at least any one web

technology.

Where You Can Get Trained?

There are several good institutes like NIIT, CSC etc which offer certification training in

J2EE. A certificate with top institutes like the ones mentioned will be considered

seriously by the software companies. This reduces their burden to train you in web

technologies. This keeps you always on priority when compared to candidates without

certification.Questions/Articles Extracted From www.CareersValley.com

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4) Use Search Engines And Bookmarks To Search Jobs

Quickly

Recently I got a mail from one of CareersValley users stating that she is unable to find

information on TCS recruitment drives..

Staying informed of the latest job openings could be a major concern for many

youngsters like You.

Which Are The Best Resources To Stay Informed?

Reading through newspapers is a cumbersome process and chances are that you are

going to miss several openings. Hence undoubtedly best resources to stay informed are

a) Google

b) Trusted Newsletters (Just like the one you get from CareersValley)

c) Company Websites (Not applicable to medium and small companies)

How To Use Google Smartly For Job Search?

Most of you would be using Google for job search. But many fail to learn some smart

and simple techniques to do a more efficient search. Let me give you examples to

search for TCS openings. However this applies to any other company as well.

If you would like to search for TCS jobs, be specific on the year and category. For

example let me consider you are searching for 2012 openings under freshers

category. Now your search query should be specific and enclosed within double

quotes. (Double quote returns exact matches)

"tcs jobs for freshers 2012" could be a very good query. You could just copy this query Questions/Articles Extracted From www.CareersValley.com

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and replace the company name, category and year to find jobs in the company you are

looking for. If you are experienced use "tcs jobs for experienced 2012"

If you trust a particular site and would like to search for job postings on that particular

site (In the following example I am using careersvalley.com) your query would look like

site: careersvalley.com "tcs placement papers". In the above query I am searching for

exact matches for infosys placement papers from careersvalley.com.

Learn Bookmaking To Search For More Job Openings In Quick Time

Nobody has enough time to go through each and every individual job posting. There is a

simple solution to this problem.

Whenever you find a job posting or job site interesting at a glance, don't forget to

bookmark the site by pressing 'Ctrl + D'. You could continue this process for as many

websites and postings as you can. Then you could choose between the bookmarks

which you think worthy of reading.

Thank You For Reading,

Kamalkk Kannan.

Visit www.CareersValley.com for plenty of useful resources.