1. A farmer has 17 sheep in all But 9 die, How many sheeps are left?

Ans : 8

1. How many months have 28 days?

Ans : All

1. Which one word doesn’t belong with others ?

Index , Glossary , Chapter , Book

Ans : Book

1. Look at the Series 2 ,1 , ½ ,1/4 ,….What will be the next number?
2. 1/3 (B) 1/8 (C) 2/8 (D) 1/16

Ans: 1/8

1. 4 + 4 = 8

5 + 5 =15

6 + 6 =24

9 + 9 =?

Ans : 45

1. 90 – 10 = 100

80 – 20 = 100

30 – 50 = 80

20 – 40 = ?

Ans : 60

1. Fill in the Series :

AMB , CLB , BKC , DJC , …

EID , CJD , EIF ,EJF , CID

Ans: CID

1. Statement : Anger is energy, in a more proactive way and how to channelize it is in itself a skill. Which one is correct?
2. Anger needs to be channelized.
3. Only skillful people can channelize anger to energy.

Ans : (B)

1. Given a Series of shapes :

Circle , Square , Triangle , Circle , Square , ….

What comes next?

Ans : Triangle (?)

1. How would you estimate the no. of tennis balls that can fit in a Boeing 747?

Ans : with Estimation

Tennis ball won’t fill 100% of the space

Logic:

Volume of Boeing 747(e.g. length\*width\*height)

Volume of tennis ball(volume of sphere)

Divide the volume of Boeing/tennis ball

Packing efficiency factor

1. How would you prioritize tasks if you are given multiple assignments with tight deadline?

Ans : To- Do List based on

Urgent/ Critical, Importance & Deadline,

Important but not Urgent

Nice to do

Delegate if possible

Elimination

Accordingly, will do the work.

1. If you have 8 balls and one of them is heavier, how would you find the heavier ball using a balance scale in just two weighing’s?

Ans :

* Keep 3 -3 balls on both sides of the weighing scale,

if they are equal, decide from the 2 balls left on second weighing

if not equal, take the 3 balls from the heavier side and weigh two of them again and you will get to know which one is heavier

1. How would you determine if a particular problem has a unique solution or multiple solution?

Ans : To determine if a problem has a unique / multiple solutions,

Analyze the constraints and conditions of the problem,

If all conditions lead to a single outcome- the solution is unique,

If multiple scenarios can satisfy the conditions, there are multiple Solutions.

1. How would you design a system to detect fraudulent transactions in real time for a large e-commerce platform?

Ans :

* Data collection
* Feature engineering- Identify the key indicators of fraud
* Machine Learning Model – Implementing Algorithms to classify the transactions
* Real Time Processing – Use processing technologies to analyze the transactions
* Rule based filters – Complementing ML models with the expert defined rules for known fraud patterns
* Feedback loop – Continuously updating the system based on new fraud patterns and false positives / negatives

1. If you have Set of rules and one contradicts the other, how would you resolve the conflict?
2. If you need to explain a complex logical concept to a non-technical person how would you go about it?
3. What logical steps would you take to troubleshoot an issue in a software application?