**Introduction to Quantitative Aptitude and Data Interpretation**

1. What is the number of digits in the product (100-1)(100-2)(100-3)…(100-199)(100-200)
   1. Cannot be determined b. 1 c. 0 d. None of the above
2. 6 printers print 6 pages in 6 seconds, 12 printers will print 12 pages in how many seconds?
   1. 12s b.6s c. 24s d. 3s
3. A boat has a ladder lowered from its deck such that the top rung of the ladder touches the deck and the bottom rail touches the water. The ladder has 20 rungs and space between 2 rungs is 1.5ft. If the tide starts rising at the rate of 1 ft/minute, when will the water reach the 10th rung from the top?
   1. 30min b. 15min c. 20min d. None of the above
4. A, B,C,D and E are 5 consecutive integers, then
   1. Which of the following is definitely even?

1.AB+C 2. A+B+C 3.ACD 4.AC+E

* 1. Which of the following is definitely odd?
     1. ABC 2.AB+C 3.AB+C+D 4.AC+E

1. SIT has a total of 2185 enginners who have passed out in 2018. The first chart shows the break up of the students by branch. The second shows the total aggregate salary per month (Rs.26.1 Crore)broken up branchwise.

How many Chemical Engg passed out in 2018?

a. 420 b. 415 c. 405 d. 440

Which branch has the highest average starting salary?

a.Mech b. Elec c.CS d.Chem

What was the average annaul salary of an elec engg in 2108?

1. 1.56 Lakh b. 15.6 Lakh c. 18.72 Lakh d.1.87 Lakh
2. A man fell in a 30 meter deep well, in one day he climbs 4 meters up and slips 3 meters down.

How many days would it take for him to come out of the well?

* 1. 30days b. 33 days c. 26 days d.27 days

1. Superman decides to open for India in an India Pakistan cricket match. He has the capability of scoring the maximum runs on each ball. Assuming no wides, extras, no balls, etc. what is the maximum score he can attain in a 50 over inning?

Answer:\_\_\_\_\_\_\_\_\_\_\_\_

1. **Data Sufficiency**:

Mark A if the question can be answered using only one of Statements alone

Mark B if the question can be answered using either of the statements alone

Mark C if the question can be answered using both statements together

Mark D if the question cannot be answered even after using both statements

1. What is the value of x?
2. 5x>44
3. 4x<38
4. What is the value of x?
5. |x-2|=6
6. 3x + 4.8483292 = 3.45463
7. What is the value of x?
8. X2 =36
9. |X-3|=9
10. What is the value of x?
11. X is a factor of 51
12. X is a factor of 85
13. Is x>8?
14. 7x> 60
15. X2=50
16. There is a Tunnel from point A to B on a railway track. A dog is sitting at a Distance of 3/8th distance of the tunnel from A inside the tunnel.

When the train whistles from the station as it comes towards the tunnel at fixed speed, the dog starts running towards the train and then the train and the dog meet at point A.

When the train whistles from the station as it comes towards the tunnel at fixed speed and the dog starts running in the opposite direction, the train and the dog meet at point B.

Find the ratio of the speed of the train to that of the dog!

Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. A census taker approaches a house and asks the woman who answers the door *"How many children do you have, and what are their ages?"*

The woman replies *"I have three children, the product of their ages are 36, the sum of their ages are equal to the address of the house next door."*

The census taker walks next door, comes back and says *"I need more information."*

The woman replies *"I have to go, my oldest child is sleeping upstairs."*

Census taker then says *"Thank you, I now have everything I need.“*

*WHAT ARE THE AGES OF THE CHILDREN?*

Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Let n! = 1 x 2 x 3 x 4 x 5x…x n. What is the value of 1! + (2 x 2!) + (3x 3!) +…..+ (10x 10!)?
2. 11x11! b. 11! c. 11!-1 d.11!+1