BLOGS

Mock Paper of Analytical Reasoning for SLAT

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Given below is the mock paper of analytical reasoning questions for SLAT and other law entrance examinations. It is a mixed set and the difficulty level is moderately easy.

Questions

1. A golden bowl at shop A is marked at Rs. 1000 and at shop B it is marked at Rs. 1200. If the discount offered at shop B is 20% and the bowl was sold at the same selling price at shop A and B, find the discount offered at shop A?
2. If the 50 kg Macaroni A bought at Rs. 300 per kg is mixed with 35 kg Macaroni B bought at Rs. 350 per kg and the mixture is sold at Rs. 325 per kg, find the loss or gain percentage?
3. If today is Saturday, then what day of the week will be on the 780 days from today?
4. At what angle are the hour hand and the minute hand when it is 7:45 pm?
5. Tap A fills the cistern in 2 hours and Tap B fills the cistern in 3 hours. The tank can be emptied by Tap C in 3 hours. If all the tap are opened simultaneously, how long will it take the empty cistern to be completely filled?
6. If 140 is 40% more than 100, by how much is 30 less than 80?
7. If a clock starts at 5: 00 pm, then by how many degrees has the clock rotated at 11:00 pm?
8. Two friends Sakshi and Shreya are walking home from school at the speed of 10 km/hr and 15 km/hr respectively. Calculate the distance between home and school if X arrives 1 hour late.

Do It Yourself!

- The difference between SI and CI on a sum of money lent at the interest rate of 20% for two years is Rs. 500. Calculate the principal amount.
- In 5 L of solution, the ratio of water to other contents in 3: 5. Find the quantity of other contents in 150 L of solution.

Answers

1. Selling Price at shop A = Selling Price at shop B

Selling Price at shop B = 1200 – (20/100)*1200

= 1200 – 240

= Rs. 960

960 = 1000 – (x/100)*1000

960 = 1000 – 10x

10x = 40

X = 4%

1. Cost price of Macaroni mixture = (300*50) + (35*350)

= 15000 + 12250

= 27250

Selling Price for Macaroni Mixture = 85* 325

= Rs. 27625

Profit percentage = [(27625-27250)/27250] *100

= (375/27250) *100

= 1.3%

1. 780 days = 111 weeks + 3 odd days

Therefore it is Tuesday.

1. Angle traced by hour hand at 7:45 pm = (360/12) * (31/4) = 232.5o

Angle traced by minute hand in 45 min = (360/60) * 45 = 270o

Required angle = 37.5 degrees

1. Tap A fills 1/2 of the tank in one hour.

Tap B fills 1/3 of the tank in one hour.

Tap C empties 1/3 of the tank in one hour.

Thus, in 1 hour [(1/2) + (1/3) – (1/3)] i.e. 1/2 of the tank is filled.

If all the three taps are opened together, the time taken to fill the tank = 2 hours

1. (50/80)*100 = 62.5%
2. (360/12) * 6 = 180o
3. Let the distance between home and school be x km.

For X, Time = x/ 10

For Y, Time = x/15

x/10 – x/15 = 60/60

x = 30 km