Cognizant GenC Model Questions & Answers

Cognizant GenC Placement Papers - Quantitative Aptitude

1) In an election between two candidates, one got 55% of the total valid votes and got 20% invalid votes. At the end of the day when the total number of votes were counted, the total number was found to be 7500. So what was the total number of valid votes that the winning candidate got, was:
a) 2400
b) 3100
c) 3400
d) 2700

Answer
Answer: d
Explanation:
Since 20% of the votes were invalid, 80% of the votes were valid = 80% of 7500 = 6000 votes were valid. One candidate got 55% of the total valid votes, then the second candidate must have 45% of the votes = 0.45 * 6000 = 2700 votes.
2) A whole number n which when divided by 4 gives 3 as remainder. What will be the remainder when 2n is divided by 4?
a) 0
b) 1
c) 4
d) 2
Answer
Answer: d
Explanation:
According to the question, n = 4q + 3. Therefore, 2n = 8q + 6 or 2n = 4(2q + 1) + 2. Thus, we get when 2n is divided by 4, the remainder is 2.
3) Raju, Ramu and Razi can do a piece of work in 20, 30 and 60 days respectively depending on their capacity of doing work. If Raju is assisted by Ramu and Razi on every third day, then in how Raju will complete the work?
a) 12 days
b) 15 days
c) 16 days
d) 18 days
Answer: b
Explanation

We need t first count the amount of work done in 2 days by Raju.

Raju can do a piece of work in 20 days. So, in 2 days he can do = 1/20 * 2 = 1/10. Amount of work done by Raju, Ramu and Razi in 1 day = 1/20 + 1/30 + 1/60 = 1/10. Amount of work done in 3 days = 1/10 + 1/10 = 1/5.

So the work will be completed in 3 * 5 = 15 days.

4) What is the smallest number which when decreased by 8 is divisible by 21, 27, 33, and 55?

a) 1490

b) 10405

c) 15490

d) None of the above

Answer: d

Explanation

We need to find the LCM of the given numbers, LCM of 21, 27, 33, and 55 = 10395. So we need to add an extra 5 = 10403.

5) A tap can fill a bucket in 6 hours. After half the bucket is filled, three more similar taps are opened. What is the total time taken to fill the bucket completely?

a) 3 hrs 15 min

b) 3 hrs 45 min

c) 4 hrs 25 min

d) 4 hrs 15 min

Answer: b

Explanation

Time is taken by one tap to fill half the bucket = 3 hours. So the part filled 4 taps in one hour = 4 * (1/6) = 2/3 of the bucket. Therefore, the remaining part is = (1 1/2) = 1/2

Proportionally 2/3: 1/2:: 1: x

=> x = 3/4 hours = 45 minutes. So the total time = 3 hrs 45 minutes.

6) A reduction of 20% in the price of strawberries enables a person to purchase 12 more for Rs. 15. What was the price of 16 strawberries before reduction ofprice?

a) 6

b) 5

c) 7

d) 9

Answer: b

Explanation

Price x Consumption = Expenditure

(15 / 8x) - (15 / x) = 12

x = (15 x 2) / (12 x 8)

For 16 Strawberries = [(15 x 2) / (12 x 8)] x 16 = 5

Cognizant GenC Placement Papers - Logical Reasoning

Cognizant GenC Model Questions & Answers

1) Statements: Some envelops are gums. Some gums are seals. Some seals are adhesives.
Conclusions:
1) Some envelopes are seals.
2) Some gums are adhesives.
3) Some adhesives are seals.
4) Some adhesives are gums.

a) Only (3)
b) Only (1)
c) Only (2)
d) Only (4)
Answer
Answer: a

2) Ankit is the son of Zubin. Manju is the daughter of Anil. Sheela is the mother of Manju. Mohan is the brother of Manju. How is Mohan related to Sheela?
a) Brother
b) Father
c) Son
d) Cannot be determined

Answer
Answer: c
Explanation:
Manju is the daughter of Anil. Sheela is the mother of Manju. Therefore, Mohan is the son of Sheela.

3) Statements: Some cars are jeeps. All the boxes are jeeps. All the pens are cars.

Conclusions:
1) Some cars are boxes.
2) No pen is jeep.
3) Some boxes are cars.
4) None of three
A) Only (1) and (2)
B) Only (1) and (3)
C) Only (2) and (3)
D) Only (4)

Answer: A

4) Statements: All the bottles are boxes. All the boxes are bags. Some bags are trays.

Conclusions:
1) Some bottles are trays.
2) Some trays are boxes.
3) All the bottles are bags.
4) Some trays are bags.
A) Only (3) and (4)
B) Only (1) and (2)
C) Only (2) and (3)
D) Only (1) and (4)

Answer: A

5) Ankit is the son of Zubin. Manju is the daughter of Anil. Sheela is the mother of Manju. Mohan is the brother of Manju. How is Mohan related to Sheela?

A) Brother
B) Father
C) Son
D) Cannot be determined

Answer: C
Explanation
Manju is the daughter of Anil. Sheela is the mother of Manju. Therefore, Mohan is the son of Sheela. https://www.freshersnow.com/placement-papers-download/

6) Pointing to a gentleman, Neeraj said, His only brother is the father of my daughter's father. How is the gentleman related to Neeraj?

A) Father
B) Grandfather
C) Brother-in-law
D) Uncle

Answer: D

Explanation: Father of Neeraj's daughters father Neeraj's father.

Cognizant GenC Placement Papers - Verbal Ability

1) Choose the best antonym for 'Exodus'
a) Influx
b) Homecoming
c) Return
d) Restoration
Answer: a

2) Choose the best antonym for Amused
a) Jolted
b) Frightened
c) Saddened
d) Astonished
Answer: c