

Changepond Technologies Aptitude Paper Questions

Q1. Which one of the following is not a prime number?

- A. 31
- B. 61
- C. 71
- D. 91

Q2. A, B, C rent a pasture. A puts 10 oxen for 7 months, B puts 12 oxen for 5 months and C puts 15 oxen for 3 months for grazing. If the rent of the pasture is Rs. 175, how much must C pay as his share of rent?

- A. Rs. 45
- B. Rs. 50
- C. Rs. 55
- D. Rs. 60

Q3. A starts business with Rs. 3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2 : 3. What is Bs contribution in the capital?

- A. Rs. 7500
- B. Rs. 8000
- C. Rs. 8500
- D. Rs. 9000

Q4. Present ages of Sameer and Anand are in the ratio of 5 : 4 respectively. Three years hence, the ratio of their ages will become 11 : 9 respectively. What is Anands present age in years?

- A. 24
- B. 27
- C. 40
- D. Cannot be determined

Q5. A vessel is filled with liquid, 3 parts of which are water and 5 parts syrup. How much of the mixture must be drawn off and replaced with water so that the mixture may be half water and half syrup?

- A. $\frac{1}{3}$
- B. $\frac{1}{4}$
- C. $\frac{1}{5}$
- D. $\frac{1}{7}$

Q6. A can do a certain work in the same time in which B and C together can do it. If A and B together could do it in 10 days and C alone in 50 days, then B alone could do it in:

- A. 15 days
- B. 20 days
- C. 25 days
- D. 30 days

Q7. A train 360 m long is running at a speed of 45 km/hr. In what time will it pass a bridge 140 m long?

- A. 40 sec
- B. 42 sec
- C. 45 sec
- D. 48 sec

Q8. A can do a piece of work in 4 hours; B and C together can do it in 3 hours, while A and C together can do it in 2 hours. How long will B alone take to do it?

- A. 8 hours
- B. 10 hours
- C. 12 hours
- D. 24 hours

Q9. Two trains of equal length are running on parallel lines in the same direction at 46 km/hr and 36 km/hr. The faster train passes the slower train in 36 seconds. The length of each train is:

- A. 50 m
- B. 72 m
- C. 80 m
- D. 82 m

Q10. In a certain store, the profit is 320% of the cost. If the cost increases by 25% but the selling price remains constant, approximately what percentage of the selling price is the profit?

- A. 30%
- B. 70%
- C. 100%
- D. 250%

Q11. A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 27, the how old is B?

- A. 7
- B. 8
- C. 9
- D. 10

Q12. The H.C.F. of two numbers is 23 and the other two factors of their L.C.M. are 13 and 14. The larger of the two numbers is:

- A. 276
- B. 299
- C. 322
- D. 345

Q13. The greatest number of four digits which is divisible by 15, 25, 40 and 75 is:

- A. 9000
- B. 9400
- C. 9600
- D. 9800

Q14. The average weight of A, B and C is 45 kg. If the average weight of A and B be 40 kg and that of B and C be 43 kg, then the weight of B is:

- A. 17 kg
- B. 20 kg
- C. 26 kg
- D. 31 kg

Q15. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:

- A. 15
- B. 16
- C. 18
- D. 25