**Multiple choice aptitude questions and answers for MCA students. These are model questions that are frequently asked in exams and entrance test**  
  
**1. 40 feet rope is cut into 2. One piece is 18 feet longer than the other. What is the length of the shorter piece?**  
  
9  
11  
18  
22  
  
  
  
  
**2. If a non leap year has two consecutive months with the thirteenth day on Friday, what are the months?**  
  
January and February  
February and March  
March and April  
April and May  
  
  
  
  
**3. If x + 5y = 16 and x= -3y, then y =**  
  
-24  
-8  
8  
2  
  
  
  
  
**4. The average of 5 quantities is 6. The average of 3 of them is 4. What is the average of remaining 2 numbers?**  
  
9  
10  
8  
9.5  
  
  
  
  
**5. X / X = X / 42, which of the following should replace all the X?**  
  
6  
7  
2  
42  
  
  
  
  
**6. A, B and C distribute Rs. 1,000 among them. A and C have Rs. 400, B and C Rs. 700. How much does C have?**  
  
Rs 100  
Rs 50  
Rs 200  
Rs 300  
  
  
  
  
**7. A full milk glass weighs 2.5 times that of an empty one. If a glass of milk is 250 gm, then the empty glass is**  
  
100 g  
71.25 g  
71.43 g  
350 g  
  
  
  
  
**8. X is younger than Y by three years. The product of their ages is 180. Find their ages.**  
  
15, 12  
16, 12  
14, 12  
15, 14  
  
  
  
  
**9. The sum of three consecutive odd numbers is 27. Find the numbers.**  
  
7, 9, 11  
5, 7, 13  
9, 11,12  
8, 9, 12  
  
  
  
  
**10. A car covers 300 km at some speed. If its speed is increased by 10 kmph, it will cover the same distance in 1 hour less. Find the speed of the car.**  
  
25  
50  
40  
20  
  
  
  
  
**11. A train moving with a speed of 40 kmph takes 2 hours 6 minutes more to cover a certain distance than a train moving at 96 kmph. What is the distance (in km)?**  
  
117  
285  
144  
None of these  
  
  
  
  
**12. 2 runners cover the same distance at 15 and 16 kmph. Find the distance if one takes 16 minutes more than the other.**  
  
64 km  
66 km  
68 km  
70 km  
  
  
  
  
**13. Three numbers are in the ratio 3:4:5. The sum of their squares is Rs 1250. What is the sum of numbers?**  
  
40  
50  
60  
90  
  
  
  
  
**14. What is the sum of this series?  
1, 3, 5, 7, 9, ...... 99.**  
  
2500  
1500  
3500  
None of the above  
  
  
  
  
**15. Find the sum of all 2 digit numbers divisible by 3.**  
  
1665  
2008  
1600  
1565  
  
  
  
**16. A vehicle has an insurance of 4/5 of its original value. Premium on the vehicle at the rate of 1.3% amounts to 910 Rs. What is the original value of the vehicle?**  
  
78,500  
82,500  
87,500  
90,000  
  
  
  
  
**17. A sells a bicycle to B and makes a profit of 20%. B sells the same bicycle to C at a profit of 25%. If the final S.P. of the bicycle was Rs. 225, find out the cost price of the bicycle for A.**  
  
120  
125  
140  
150  
  
  
  
  
**18. A number is divided by 296 to give a remainder 75. When the same number is divided by 37, what will be the remainder?**  
  
1  
2  
4  
8  
  
  
  
  
**19. A and B enter into a partnership with an investment of 16,000 and 12,000 rupees respectively. After three months, A withdraws Rs. 5000 while B invests Rs. 5000 more. After 3 months, C joins the business with an investment of Rs. 21,000. The total profit after a year of business comes out to be Rs 26, 400. By how much does the share of B exceed that of C?**  
  
1800  
2400  
3600  
4200  
  
  
  
  
**20. a:b = 5:2. What is the value of (8a + 9b): (8a + 2b)?**  
  
22:29  
26:61  
29:22  
61:26