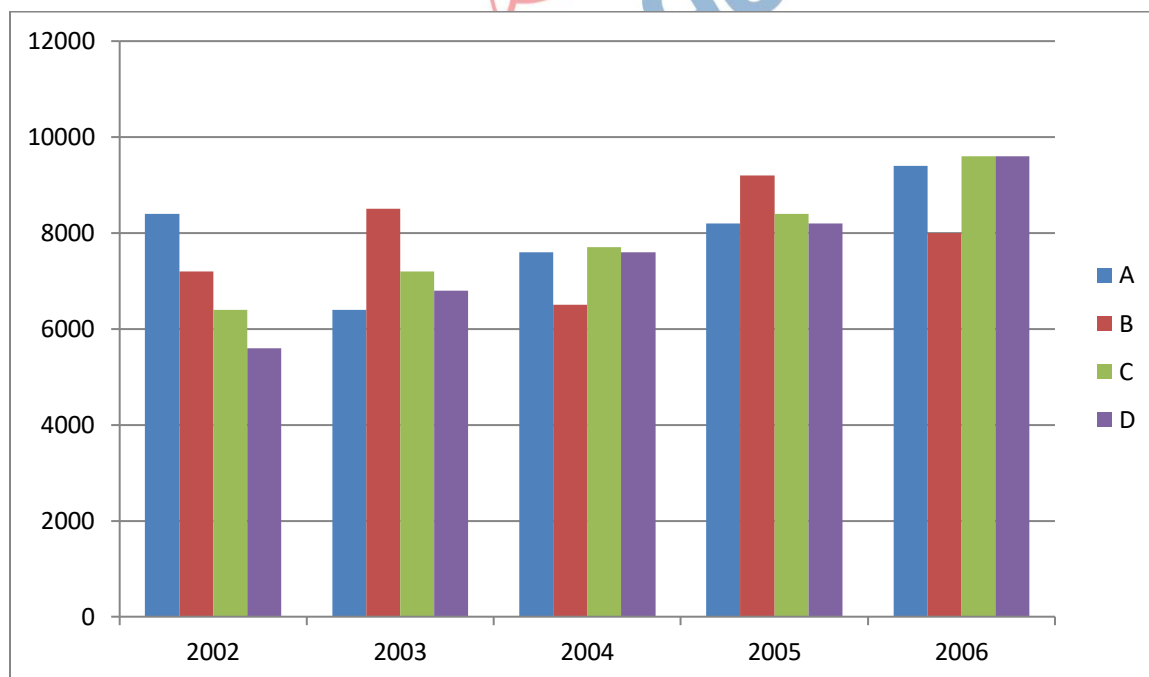




1. Average of a batsman after 11<sup>th</sup> inning is increased by 6. If his average after 10<sup>th</sup> inning is 38, then what is the score made by batsman in the 11<sup>th</sup> inning?  
a) 98      b) 96      c) 102      d) 100      e) **104**
2. A shopkeeper mixes 40 kg rice worth Rs.32 per kg with another 60 kg rice worth Rs.45 per kg. If he sold a third type of rice at the average price of mixture of rice worth Rs.32 per kg and Rs.45 per kg, then find his earnings on 65 kg third type rice.  
a) **Rs. 2587**    b) Rs. 2353    c) Rs. 2665    d) Rs. 2444    e) None of these

Direction: The following bar graph shows the population of four villages in five years.



3. Population of village B in 2003 and 2004 together is what percent more/less than

the population of village C in 2004 and 2005 together?

- a) 8.12% less                      b) 7.12% less                      c) **6.17% less**  
d) 8.12% more                      e) 6.17% more

4. If population of village A and village B is increased by 12% in 2004 and that of village C and village D is increased by 10%, find the sum of population of all the village in 2004  
a) 24500    b) 28502    c) 32456    d) **32844**    e) None of these
5. Find the percentage increase in the population of village D from 2002 to 2006  
a) 61.21%    b) **65.51%**    c) 63.21%    d) 55.14%    e) None of these
6. Find the difference between population of all the villages in 2005 and 2006  
a) 4400    b) 3400    c) **2400**    d) 3000    e) 2200
7. Population of village C in all the years together is what percent of the population of village D in all the years together?  
a) 107.19%    b) 111.11%    c) **103.15%**    d) 101.15%    e) 105.23%

In the following question, two statements numbered I and II are given. On solving them, we get two quantities of quantity I and quantity II respectively. Compare both the quantities and choose the correct answer

8. **Quantity I:** Sohan can do a piece of work in 60 days. Mohan can do the same work in 15 days less than that of Sohan. They started to work together. Sohan left after some days and Mohan finished the remaining work in  $55/2$  days. For how many days they worked together?  
**Quantity II:** 10  
a) Quantity I > Quantity II  
b) Quantity I < Quantity II  
c) Quantity I  $\geq$  Quantity II  
d) Quantity I  $\leq$  Quantity II  
e) **Quantity I = Quantity II or no relation can be established**
9. **Quantity I:** The present age of son is one – third of the age of father after 9 years and is half of the age of mother six years ago. If the age of mother eight years ago is  $4/5^{\text{th}}$  of the age of father before 4 years, then what is the present age of son?  
**Quantity II:** 12 years  
a) Quantity I < Quantity II  
b) **Quantity I > Quantity II**

- c) Quantity I  $\geq$  Quantity II  
d) Quantity I = Quantity II or relationship cannot be established  
e) Quantity I  $\leq$  Quantity II
10. Quantity I: A car takes 5 minutes to reach from one pole to another pole. If the speed of car is 72km/h, then what is the distance (m) between two poles?  
Quantity II: 5500 m  
**a) Quantity I > Quantity II**  
b) Quantity I < Quantity II  
c) Quantity I  $\geq$  Quantity II  
d) Quantity I  $\leq$  Quantity II  
e) Quantity I = Quantity II or relation can't be determined
11. Area of two rectangles A and B are in the ratio 3:4 respectively. Sides of rectangle A are in the ratio 3: 1 respectively and perimeter of rectangle B is 50 cm and its breadth is 5 cm. What is the perimeter of rectangle A?  
a) 20 cm    b) 30 cm    c) 36 cm    **d) 40 cm**    e) 44 cm
12. The average of the present ages of Karan and Arjun is 24 years. After 4 years, Arjun will be 33 (1/3)% older than Karan. What is the present age of Arjun?  
**a) 28 years**    b) 21 years    c) 27 years    d) 30 years    e) 32 years
13. Prakash and Qamar started a business. Prakash contributes 20% of the capital for 15 months and Qamar received 4/7 of the profit. Qamar invested for how many months?  
**a) 5**    b) 10    c) 4    d) 8    e) 12
14. Mohan has planned to earn Rs 2700 or 13.5% as profit by selling his old scooter. How much approximately should he quote so that he can give a maximum of 15 percent discount?  
**a) Rs. 26,706**    b) Rs. 26,607    c) Rs. 26, 076  
d) Rs. 26,670    e) None of these
15. Sita had a sum such that she distributed the 40% of sum equally among her two daughters. 20% of remaining amount is received by her son, 50% of remaining amount is spent on other items and rest of the amount is saved by her. Amount received by son is what percent of savings of Sita?  
a) 35%    b) 40%    c) 45%    **d) 50%**    e) 60%
16. Aman borrowed Rs.6300 from his friend and returned it in three equal annual

installment at 5% rate of simple interest. Calculate each installment

a) Rs. 2350   b) Rs. 2420   c) Rs. 2200   **d) Rs. 2300**   e) Rs. 2260

17. A labour is working under a contractor. The contractor paid Rs.150 to the labour every day, he fined the labour Rs.30 per day at the time of his absence. If the labour is appointed for a total of 20 days and received Rs. 2280 as his wages, then for how many days the labour was absent?  
a) 3   b) 2   c) 1   **d) 4**   e) None of these
18. What value will come in place of question mark (?) in the following questions?  
 $(22)^2 + (11)^2 + (21)^2 = ?$   
a) 1031   b) 1066   **c) 1046**   d) 1064   e) 1073
19. What value will come in place of question mark (?) in the following question?  
 $\sqrt[3]{1000} + \sqrt[3]{3375} - \sqrt[3]{9261} = ?$   
a) -2   b) 9   **c) 4**   d) 7   e) -3
20. What value will come in place of question mark (?) in the following question?  
 $\sqrt{1024} + ? = 2\frac{1}{3}$  of 24  
a) 9   b) 28   **c) 24**   d) 18   e) 36
21. What value will come in place of question mark (?) in the following questions?  
 $29 \times 27 - 13 = ? \times 35$   
a) 42   b) 24   c) 29   d) 26   **e) 22**
22. What value will come in place of question mark (?) in the following questions?  
 $(?) + 11^3 = 39^2 - 21$   
a) 25   b) 29   **c) 13**   d) 33   e) 17
23. What value will come in place of question mark (?) in the following question?  
 $(0.09)^{95} \div 0.027^{73} = m(0.3)^?$   
a) -14   b) -41   **c) -29**   d) -32   e) -17
24. What value will come in place of question mark (?) in the following question?  
 $22^2 - 49^{1/2} + 16^{1/4} = ?$   
a) 482   b) 488   c) 491   **d) 479**   e) 485
25. What value will come in place of question mark (?) in the following question?  
14.28% of 245 + 42.85% of 266 = ?  
a) 134   b) 164   c) 128   d) 170   **e) 149**

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26. What value will come in place of question mark (?) in the following questions?  
 $18 \times ? \times 11 = 40^2 + 578$   
a) 8            **b) 11**            c) 21            d) 16            e) 15
27. What value will come in place of question mark (?) in the following questions?  
 $33 \times 51 - ? + 55 \times 25 = 47 \times 41$   
a) 1134            b) 1146            **c) 1131**            d) 1152            e) 1161
28. What value will come in place of question mark (?) in the following questions?  
 $90\% \text{ of } 480 + ?\% \text{ of } 930 = 1176$   
a) 100            b) 45            **c) 80**            d) 60            e) 85
29. What value will come in place of question mark (?) in the following questions?  
 $52 \times 48 - 64 \times 56 + 43 \times 37 = ?$   
a) 563            b) 303            c) 383            d) 363            **e) 503**
30. Find the next term in the series  
5853, 5732, 5563, 5338, 5049, ?  
a) 4706            **b) 4688**            c) 4704            d) 4696            e) 4698
31. Find the next term in the series  
15, 15, 30, 90, 360, ?  
a) 457            b) 699            **c) 1800**            d) 347            e) 1501
32. Find the next term in the series  
32, 44, 58, 74, 92, ?  
**a) 112**            b) 102            c) 122            d) 118            e) 92
33. Find the next term in the series  
176, 150, 126, 104, 84, ?  
a) 79            b) 69            c) 75            d) 80            **e) 66**
34. Find the next term in the series  
725, 507, 337, 209, 117, ?  
**a) 55**            b) 73            c) 65            d) 58            e) 68