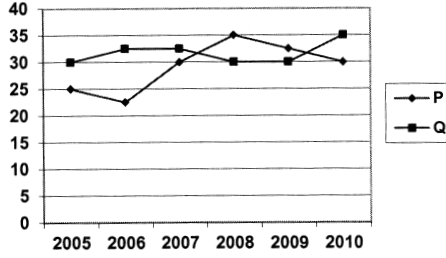


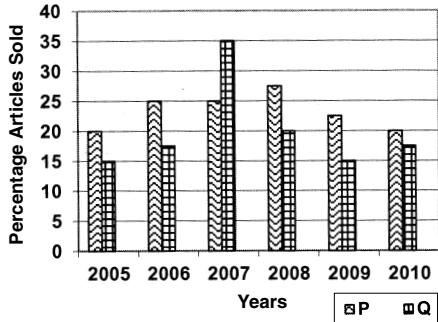
Directions (Q. 1-5): Study the following graphs carefully and answer the questions that follow.

Following graphs show the Number of articles Manufactured and Percentage of articles sold by two companies P and Q in various years.

Number of Articles Manufactured (In Lakhs)



Percentage Articles Sold



- How many articles were sold by both companies together in 2008?
 - 3026000
 - 2765000
 - 1562500
 - 3025000
 - None of these
- What is the average number of articles manufactured by company P over the years?
 - 2875600
 - 4125460
 - 2916670
 - 2554000
 - 2853000
- What is the ratio of number of the articles not sold by company P to that of those by company Q in the year 2005?
 - 21:50
 - 40:51
 - 51:18
 - 9:11
 - None of these
- What is the percent increase in the number of articles sold by company Q in 2007 from the year 2005?
 - 60.43%
 - 78.45%
 - 126.37%
 - 152.78%
 - None of these
- In which of the years was the maximum number of articles manufactured from both companies together?
 - 2007 & 2005
 - 2008 & 2010
 - 2006 & 2009
 - 2008 & 2006
 - None of these

Bank exam preparation can be an arduous task. However, one has to enjoy going through the preparation. Maintain a diary of mistakes, so whatever shortcuts you discover or whatever mistakes you make while practicing sums, note them in this diary, and refer it regularly.



Number of tiles required..?

- In a factory, a worker gets Rs.50 per day. But on being absent he is fined Rs.10 per day. If after 30 days he gets Rs.1200 in all, then for how many days did he present?
 - 16
 - 22
 - 5
 - 19
 - None of these
- A boat travels upstream from A to B and comes back from B to A in 3 hours. If the speed of the boat in still water is 9 kmph and the speed of the current is 3 kmph, then what is the distance from A to B?
 - 12 km
 - 15 km
 - 21 km
 - 18 km
 - None of these
- In how many ways a committee of 3 members be formed from 6 men and 3 women such that at least one woman is included in the committee?
 - 72
 - 64
 - 84
 - 20
 - None of these
- A room is 7.25 m long and 5.75 m wide. Its floor is to be paved with square tiles. What is the least number of tiles required?
 - 25
 - 432
 - 667
 - 625
 - None of these
- The average age of a husband and wife was 22 years, when they were married 6 years ago. Now they have a child of 4 years age. What is the average age of their family at present?
 - 19 yrs
 - 20 yrs
 - 23 yrs
 - 18 yrs
 - None of these

Directions (Q. 11-15): Study the following table carefully and answer the questions that follow.

SBI
Specialist Officers
Quantitative Aptitude
G.S. Giridhar

Following table gives the number of students Appeared and Passed in an examination from five different schools A, B, C, D and E over the years.

School →	A		B		C		D		E	
	A	P	A	P	A	P	A	P	A	P
Year ↓										
2002	75	55	56	48	60	45	84	78	70	68
2003	83	60	78	56	85	75	98	80	85	75
2004	92	78	94	72	90	85	108	102	96	88
2005	110	86	85	70	102	90	112	102	108	98
2006	108	96	92	90	120	105	90	80	96	90

- The approximate percentage increment in the number of students appeared in school D from 2003 to 2004 was?
 - 20%
 - 30%
 - 25%
 - 10%
 - 40%
- In which of the following years was the number of students appeared in all the schools put together the maximum?
 - 2003
 - 2005
 - 2002
 - 2006
 - 2004
- In which of the following years was the pass percentage of school B the minimum?
 - 2004
 - 2006
 - 2003
 - 2002
 - None of these
- In which of the following schools was the percentage pass the maximum in 2005?
 - 2007 & 2005
 - 2008 & 2010
 - 2006 & 2009
 - 2008 & 2006
 - None of these

- E
 - B
 - C
 - A
 - D
15. In which of the following years was the number of students appeared in school C same as the total number of students passed in school B in 2002 and 2004 together?
- 2004
 - 2003
 - 2005
 - 2002
 - 2006

Directions (Q. 16-20): In each of the following number series questions, a number is wrong. You have to identify that number.

16. 21 533 876 1092 1217 1283
- 876
 - 1217
 - 21
 - 1283
 - 1092
17. 17 22 45 142 577 2896
- 577
 - 22
 - 2896
 - 45
 - 142
18. 5 16 88 506 2496 9960
- 16
 - 9960
 - 506
 - 88
 - 2496

19. 2.2 3.7 6.1 10.9 20.5 39.7
- 2.2
 - 39.7
 - 3.7
 - 6.1
 - None of these
20. 575 528 483 440 399 362
- 399
 - 440
 - 362
 - 528
 - None of these

ANSWERS

1-3	5-2	9-3	13-3	17-2
2-3	6-5	10-2	14-5	18-3
3-2	7-1	11-4	15-5	19-1
4-4	8-2	12-2	16-4	20-3.

EXPLANATIONS

- Number of articles sold by P = 27.5% of 35 lakh = 962500
Number of articles sold by Q = 20% of 30 lakh = 600000
Total articles = 962500 + 600000 = 1562500
- Average articles manufactured
 $\frac{25 + 22.5 + 30 + 35 + 32.5 + 30}{6} = \frac{175}{6} = 29.167$ lakhs
- 80% of 2500000 : 85% of 3000000 = 40 : 51
- Number of articles sold in 2007 = 35% of 3250000 = 1137500
Number of articles sold in 2005 = 15% of 3000000 = 450000
Increment % = $\frac{687500}{450000} \times 100 = 152.78$
- Let the number of days he present be 'x' days.
 $\therefore 50x - 10(30 - x) = \text{Rs.}1200 \Rightarrow x = 25$
- Let the distance between A and B be 'x' km
 $\therefore \frac{x}{9-3} + \frac{x}{9+3} = 3$ hours
 $\Rightarrow x = 12$ km
- ${}^9C_3 - {}^6C_3 = \frac{9 \times 8 \times 7}{3 \times 2 \times 1} - \frac{6 \times 5 \times 4}{3 \times 2 \times 1} = 64$
- For the least number of tiles, the tile should be of largest size.
longest size of tile = HCF of length and breadth of the floor

- HCF of 725 cm and 575 cm = 25 cm
 \therefore least number of tiles = $\frac{725 \times 575}{25 \times 25} = 667$
10. Sum of the ages of husband and wife 6 years ago = $2 \times 22 = 44$ years
Their total age at present = $44 + 6 + 6 = 56$ years
Sum of the ages of husband, wife and child at present = $56 + 4 = 60$
Average age of whole family at present = $\frac{60}{3} = 20$ years

- $\frac{108 - 98}{98} \times 100 \approx 10\%$
- 2005
- 2002 $\frac{48}{56} \times 100 = 85.71\%$
2003 $\frac{56}{78} \times 100 = 71.79\%$
2004 $\frac{72}{94} \times 100 = 76.59\%$
2005 $\frac{70}{85} \times 100 = 82.35\%$
2006 $\frac{90}{92} \times 100 = 97.82\%$
- A $\frac{86}{110} \times 100 = 78.18\%$
B $\frac{70}{85} \times 100 = 82.35\%$
C $\frac{90}{102} \times 100 = 88.23\%$

- D $\frac{102}{112} \times 100 = 91.07\%$
E $\frac{98}{108} \times 100 = 90.74\%$
15. 2006
16. 21 + 512 = 533
533 + 343 = 876
876 + 216 = 1092
1092 + 125 = 1217
1217 + 64 = 1281
17. $17 \times 1 + 3 = 20$
 $20 \times 2 + 5 = 45$
 $45 \times 3 + 7 = 142$
 $142 \times 4 + 9 = 577$
 $577 \times 5 + 11 = 2896$

18. $5 \times 8 - 24 = 16$
 $16 \times 7 - 24 = 88$
 $88 \times 6 - 24 = 504$
 $504 \times 5 - 24 = 2496$
 $2496 \times 4 - 24 = 9960$
19. $2.5 + 1.2 = 3.7$
 $3.7 + 2.4 = 6.1$
 $6.1 + 4.8 = 10.9$
 $10.9 + 9.6 = 20.5$
 $20.5 + 19.2 = 39.7$
20. All are one less than perfect squares except 362.

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ఉద్యోగాలు

అంబేద్కర్ యూనివర్సిటీ

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★ **ఖాళీలు:** ఎడ్యుకేషన్-3, ఇంగ్లీష్-3, కంప్యూటర్ సైన్స్ -4, ఆర్గానిక్ కెమిస్ట్రీ-5.

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అసిస్టెంట్లు

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★ **ఖాళీలు:** మొత్తం - 100 (అండ్రప్రదేశ్ - 15).
★ **అర్హత:** ఏదైనా డిగ్రీ ఉత్తీర్ణులై ఉండాలి. కంప్యూటర్

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