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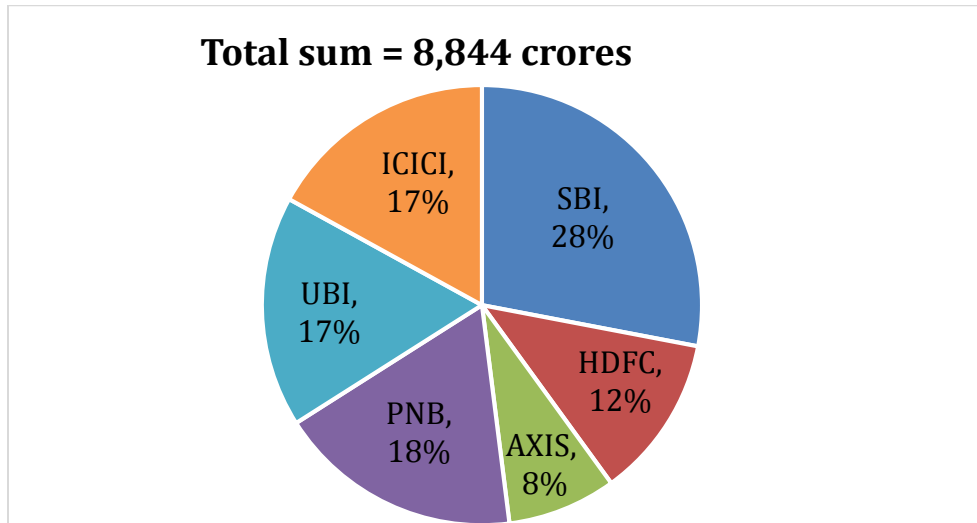
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**Directions (1-5):** The following pie-chart shows the percentage distribution of sum of six different banks with which an Indian businessman, Vijay Malya, fled away from India. Study the chart carefully to answer the following questions.

**Note:** In pie-chart some data are missing. If required, find them first and then proceed.



**Q1.** If the sum from PNB was  $\frac{250}{3}\%$  more than the sum from HDFC bank, then find the sum from PNB with which Malya fled away from India?

- (a) 1968.45 crores
- (b) 1945.68 crores
- (c) 1519.68 crores
- (d) 1845.84 crores
- (e) None of these

**Q2.** If the average sum from ICICI, SBI and Axis banks together with which Malya fled away from India, was Rs. 1,474 crores, then find the sum from ICICI bank that Malya took away from country?

- (a) 1084.26 crores
- (b) 1343.16 crores
- (c) 1238.16 crores
- (d) 1440.24 crores
- (e) None of these

**Q3.** What was the total sum from HDFC, PNB and UBI together with which Malya fled away from country (for ICICI bank use the value obtained in Q2.)?

- (a) 3,944 crores
- (b) 4,544 crores
- (c) 3,842 crores
- (d) 4,422 crores
- (e) None of these

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**Q4. Find the ratio of money from SBI and UBI together to the money from PNB and ICICI banks together if percentage value of PNB is 6% more than that of UBI. (use ICICI bank data from previous question)**

- (a) 4 : 9
- (b) 9 : 11
- (c) 11 : 9
- (d) 9 : 4
- (e) None of these

**Q5. If the percentage distribution of money of SBI and PNB was interchanged, then find the average sum from PNB, UBI and ICICI together with which Malya fled away from India. (If required, Use the value of missing data found in above questions)**

- (a) 1810.84 crores
- (b) 1709.84 crores
- (c) 1725 crores
- (d) 1764.64 crores
- (e) None of these

**Q6. The simple interest accrued on a sum of Rs 27,500 at the end of three years is Rs 10,230. What would be the approximate compound interest accrued on the same sum at the same rate in two years?**

- (a) Rs 7,550
- (b) Rs 7,243
- (c) Rs 8,950
- (d) Rs 6,900
- (e) Rs 7,583



**Q7. Out of 5 women and 4 men a committee of four members is to be formed in such a way that at most three members are men. In how many different ways can it be done?**

- (a) 125
- (b) 120
- (c) 105
- (d) 130
- (e) None of these

**Q8. A is thrice as good a workman as B and therefore is able to finish a job in 30 days less than B. How many days will they take to finish the job working together?**

- (a)  $10\frac{1}{4}$
- (b)  $11\frac{3}{4}$
- (c)  $11\frac{1}{4}$
- (d)  $11\frac{1}{3}$
- (e) None of these

**Q9. A certain product C is made of two ingredients A and B in the proportion of 2 : 5. The price of A is three times that of B. The overall cost of C is Rs. 5.20 per kg including labour charges of 80 paise per kg. Find the cost of B per kg ?**

- (a) Rs. 8.40
- (b) Rs. 4.20
- (c) Rs. 4.80
- (d) Rs. 2.80
- (e) None of these

**Q10. Parameshwaran invested an amount of Rs 12000 at the simple interest rate of 10 per cent annum and another amount at the simple interest rate of 20 per cent per annum. The total interest earned at the end of one year on the total amount invested became 14 per cent per annum. Find the total amount invested.**

- (a) Rs 22000
- (b) Rs 25000
- (c) Rs 20000
- (d) Rs 24000
- (e) None of these

**Directions (11-15): Find the missing term in the following number series.**

**Q11. 100, 49, 99, 48, 98, ?**

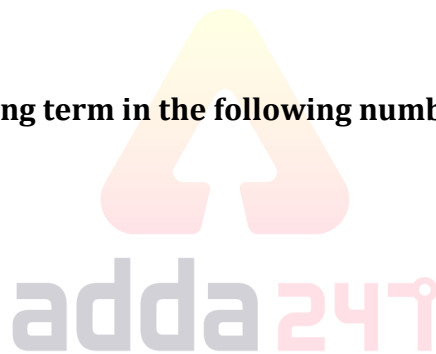
- (a) 51
- (b) 50
- (c) 49
- (d) 48
- (e) 47

**Q12. 0, 7, 26, 63, 124, ?**

- (a) 219
- (b) 215
- (c) 205
- (d) 225
- (e) 227

**Q13. 10, 21, 43, 87, 175, ?**

- (a) 349
- (b) 350
- (c) 351
- (d) 352
- (e) 347



**Q14. 2, 3, 5, 8, 12, 17, ?**

- (a) 22
- (b) 23
- (c) 24
- (d) 25
- (e) 26

**Q15. 1, 11, 29, 56, 93, 141, ?**

- (a) 200
- (b) 201
- (c) 202
- (d) 203
- (e) 205

**Directions (16-20): What will come in the place of the question mark (?) in the following number series?**

**Q16. 11, 12, 16, 25, 41, ?, 102**

- (a) 66
- (b) 68
- (c) 82
- (d) 76
- (e) 78

**Q17. 7, 20, 59, 176, ?, 1580**

- (a) 627
- (b) 557
- (c) 543
- (d) 527
- (e) 427

**Q18. 78, 99, 124, 153, 186, ?**

- (a) 213
- (b) 217
- (c) 237
- (d) 227
- (e) 223

**Q19. 0, 26, 124, 342, 728, ?**

- (a) 1221
- (b) 1330
- (c) 1351
- (d) 1370
- (e) 1350

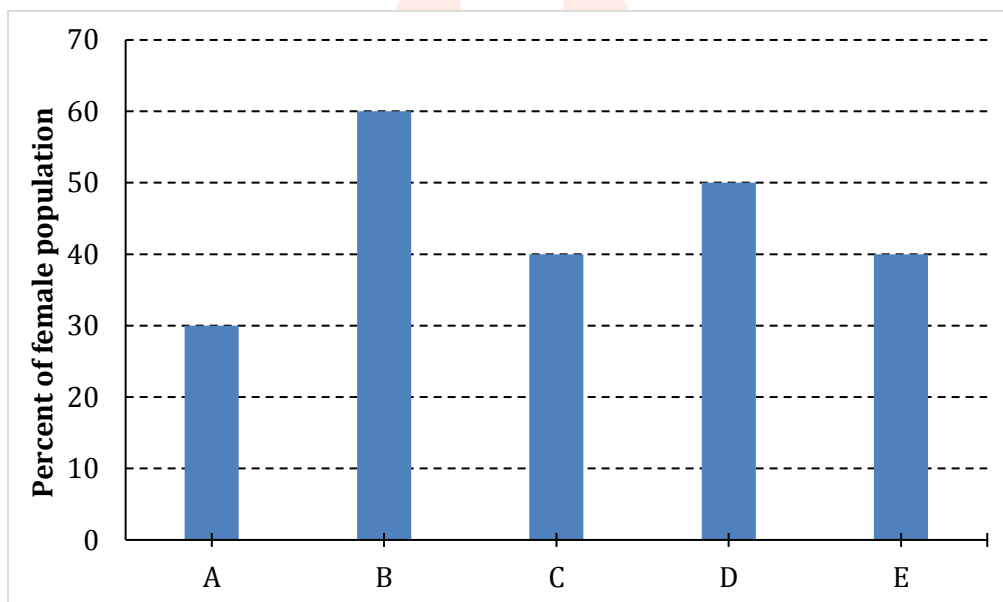
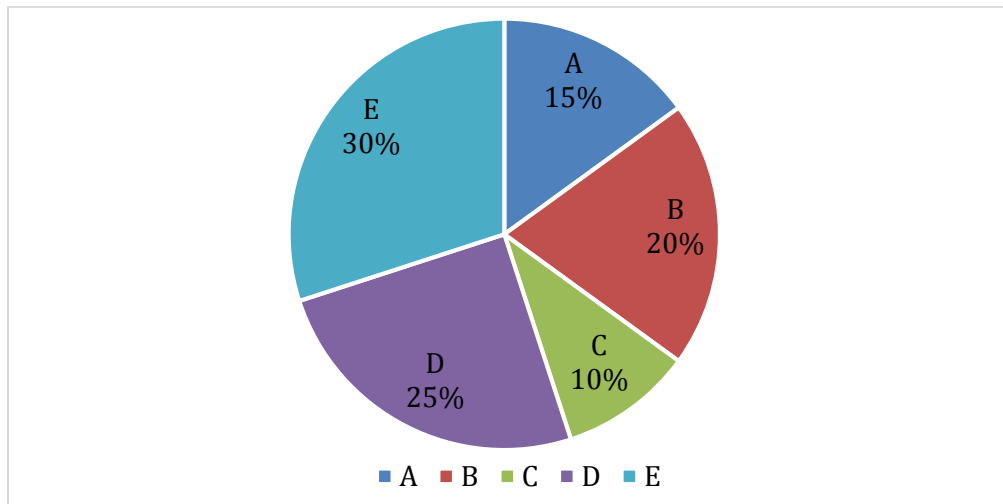


A promotional banner for Adda247. It features the Adda247 logo and 'test series' text at the top. Below that is a circular icon with a white figure on a red background. The main text reads 'LAKSHMI VILAS BANK PO 2019'. At the bottom, a blue box contains the text '5 FULL LENGTH MOCKS' and 'VALIDITY : 1 MONTH'. A diagonal banner on the left says 'Special Offer'.

Q20. 18, 31, 57, 96, 148, ?

- (a) 217
- (b) 227
- (c) 237
- (d) 223
- (e) 213

Directions (21-25): Pie chart given below shows the percentage distribution of total population of a state having 5 cities and bar graph shows the percentage of female population in each city in 2017.



Q21. If number of males in city E in 2017 is 1800 then find the male population in city A in 2017.

- (a) 920
- (b) 1050
- (c) 1200
- (d) 1100
- (e) 870

**Q22. If total population of state was 80000 in 2017 then total population of city D was how much percent more than female population of city B.**

- (a) 59%
- (b)  $152\frac{9}{11}\%$
- (c) 132%
- (d)  $108\frac{1}{3}\%$
- (e) 87%

**Q23. If total population of state in 2017 is 250000 then find the average female population of city A, C and E in 2017.**

- (a)  $17083\frac{1}{3}$
- (b) 22600
- (c)  $17376\frac{2}{3}$
- (d) 24378
- (e) None of these

**Q24. If total population of the state in 2017 was 1 lakh and in 2018 population of city B increase by 20% and of city D increases by 10% then find the difference between total population of city B and city D in 2018.**

- (a) 1500
- (b) 4500
- (c) 3500
- (d) 6200
- (e) 4000



**Q25. Find the ratio of male population of city B and city D together to female population of city E and city C together.**

- (a) 17 : 37
- (b) 41 : 32
- (c) 23 : 11
- (d) 41 : 37
- (e) 37 : 32

**Directions (26-30): What appropriate value should come in place of question mark (?) in the following questions.**

**Q26.  $45.15\%$  of  $759.96 \div 18.9 + ? = (17.99)^2$**

- (a) 275
- (b) 306
- (c) 408
- (d) 432
- (e) 365

Q27.  $\sqrt{728.83} \div 2.96 + 29.85 \div 5.99 = ? - 4.08 \times 9.94$

- (a) 65
- (b) 12
- (c) 32
- (d) 54
- (e) 47

Q28.  $(1152.36 + 247.56) \div 6.95 + \sqrt{624.8} = (?)^2$

- (a) 15
- (b) 49
- (c) 12
- (d) 37
- (e) None of these

Q29.  $(4444.13 \div 40.07) + (649.71 \div 49.87) + (3990.09 \div 24.97) = ?$

- (a) 345
- (b) 284
- (c) 225
- (d) 190
- (e) 372

Q30.  $86.02\% \text{ of } 249.87 + \frac{\sqrt[3]{1727}}{\sqrt{3.87}} = ? + \sqrt{120}$

- (a) 170
- (b) 210
- (c) 315
- (d) 187
- (e) 344



**Directions (31-35): Find out the approximate value which should replace the question mark (?) in the following questions.**

**Note:** (You are not expected to find out the exact value)

Q31.  $18\% \text{ of } 609 + 27.5\% \text{ of } 450 = ?$

- (a) 220
- (b) 233
- (c) 267
- (d) 248
- (e) 274

Q32.  $8399.999 \div 375.002 \times 14.996 = ?$

- (a) 565
- (b) 225
- (c) 335
- (d) 625
- (e) 455

An advertisement for Adda247 Prime. At the top, the Adda247 logo is shown with the text 'adda247 test series'. Below this, the word 'Prime' is written in a large, yellow, cursive font. Underneath 'Prime', the text 'IBPS IT OFFICER 2018-19' is written in white, bold, uppercase letters. Below that, the word 'MAINS' is written in white, bold, uppercase letters inside a white rounded rectangle. At the bottom, the text '10 Full Length Mocks' and 'IT Professional Knowledge E-Book' is written in yellow.



Q33.  $6\sqrt{2} + 14.275 = ?$  of 176.35

- (a)  $\frac{1}{3}$
- (b)  $\frac{1}{4}$
- (c)  $\frac{1}{8}$
- (d)  $\frac{1}{5}$
- (e)  $\frac{1}{2}$

Q34.  $1599 \times 199 \div 49 - 1398 + 3877 = ?$

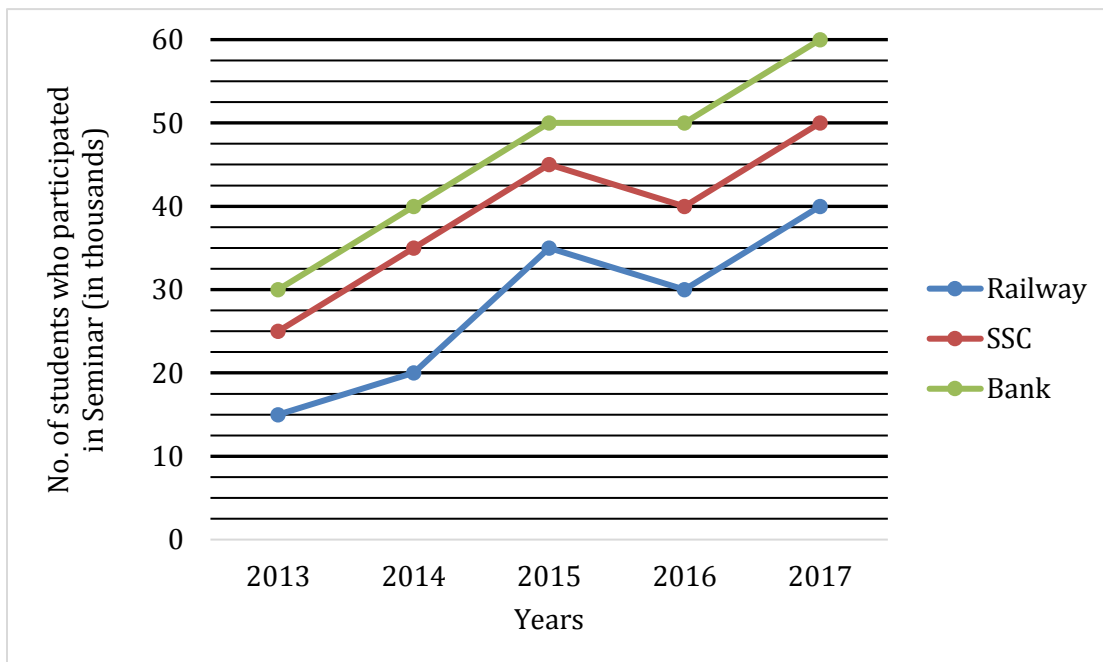
- (a) 9400
- (b) 9000
- (c) 8000
- (d) 8400
- (e) 9200

Q35.  $40.005\%$  of 439.998 +  $?\%$  of 650.011 = 228.5

- (a) 8
- (b) 17
- (c) 12
- (d) 20
- (e) 5

**Directions (36-40):** The following line graph shows the total no. of students of three different streams viz SSC, Bank and Railway who participated in a seminar organized by career power in five different years.

The table shows the ratio of male to female in them. Study both graph and table carefully and answer the questions that follow.



Year	Ratio of male to female in different stream		
	Bank M : F	SSC M : F	Railway M : F
2013	4:1	4:1	4:1
2014	5:3	5:2	7:3
2015	7:3	7:2	6:1
2016	3:2	5:3	3:1
2017	2:1	7:3	3:2

**Q36. The total no. of male students in 2014 from all streams participating in seminar is approximately what percent of total no. of female students from all stream participating in seminar in 2013?**

- (a) 547%
- (b) 457%
- (c) 455%
- (d) 452%
- (e) 745%

**Q37. If 10% male students and 5% female students from Banking asked questions to the speaker in seminar of 2015 while 10% of total students of SSC stream in 2015 asked the question to the speaker, then total no. of student from banking who asked question is what percent of the total no. of students from SSC who asked question in year 2015?**

- (a) 90.54%
- (b) 92.44%
- (c) 94.44%
- (d) 9.444%
- (e) 98.44%

**Q38. What is the average no. of male students from Railway who participated in seminar throughout all the five years ?**

- (a) 22 thousand
- (b) 25 thousand
- (c) 20.5 thousand
- (d) 21.5 thousand
- (e) 19.5 thousand

**Q39. Total no. of male students from Banking in 2016 and 2017 together is approximately what percent more than the total no. of female students from SSC who participated in the seminar in the same years?**

- (a)  $133\frac{2}{3}\%$
- (b)  $133\frac{1}{3}\%$
- (c)  $13\frac{1}{3}\%$
- (d)  $131\frac{1}{3}\%$
- (e)  $135\frac{1}{3}\%$

**Q40. In 2012 the same company i.e. career power had organized the seminar but the total no. of students in each stream i.e ( Bank, SSC, and Railway) were 10%, 20% and 25% less than that of 2013 respectively and total no. of boys who participated in the seminar in year 2012 from Bank, SSC, Railway were 1000, 1500 and 2000 less than that of 2013 respectively. Find the total no. of girls participated in seminar in 2012 from all the three streams respectively.**

- (a) 6,850
- (b) 5,670
- (c) 7,650
- (d) 6,750
- (e) 7,550

**Directions (41-45): What should come in place of the question mark (?) in following number series problems?**

**Q41. 7, 16, -2, 25, ?, 34**

- (a) 8
- (b) -11
- (c) 10
- (d) -12
- (e) 9

**Q42. 6, 7, 24, ?, 882, 7947**

- (a) 12
- (b) 20
- (c) 64
- (d) 81
- (e) 125

**Q43. 2, 4, 16, ?, 132, 282**

- (a) 42
- (b) 36
- (c) 52
- (d) 63
- (e) 72

**Q44. 1, 2, 4.5, 11, 30, ?**

- (a) 93
- (b) 72
- (c) 78
- (d) 84
- (e) 90



**Special Offer**

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(Generalists)

**PHASE-I**

**• 10 Full-Length Mocks**

Bilingual

**Q45.** 2, 7, 28, 63, ?

- (a) 126
- (b) 81
- (c) 121
- (d) 111
- (e) 100

**Q46.** X's age 3 years ago was three times the present age of Y. At present, Z's age is twice the age of Y. Also, Z is 12 years younger than X. What is the present age of Z?

- (a) 15 years
- (b) 24 years
- (c) 12 years
- (d) 6 years
- (e) 18 years

**Q47.** Aman invests a certain sum in scheme A at compound interest (compounded annually) of 10% per annum for 2 years. In scheme B he invests at simple interest of 8% per annum for 2 years. He invests in schemes A and B in the ratio of 1 : 2. The difference between the interest earned from both the schemes is Rs 990. Find the amount invested in scheme A.

- (a) Rs 7500
- (b) Rs 8000
- (c) Rs 9000
- (d) Rs 8500
- (e) Rs 8600

**Q48.** Two partners invest Rs 12500 and Rs 8500 respectively in a business and agree that 60% of the profit should be divided equally between them and the remaining profit is to be divided in the ratio of their capital. If one partner gets Rs 240 more than the other, find the total profit made in the business.

- (a) 3250
- (b) 3150
- (c) 4050
- (d) 3550
- (e) 3450

**Q49.** A bag contains 5 red balls, 6 yellow and 3 green balls. If two balls are picked at random, what is the probability that both are red or both are green in colour?

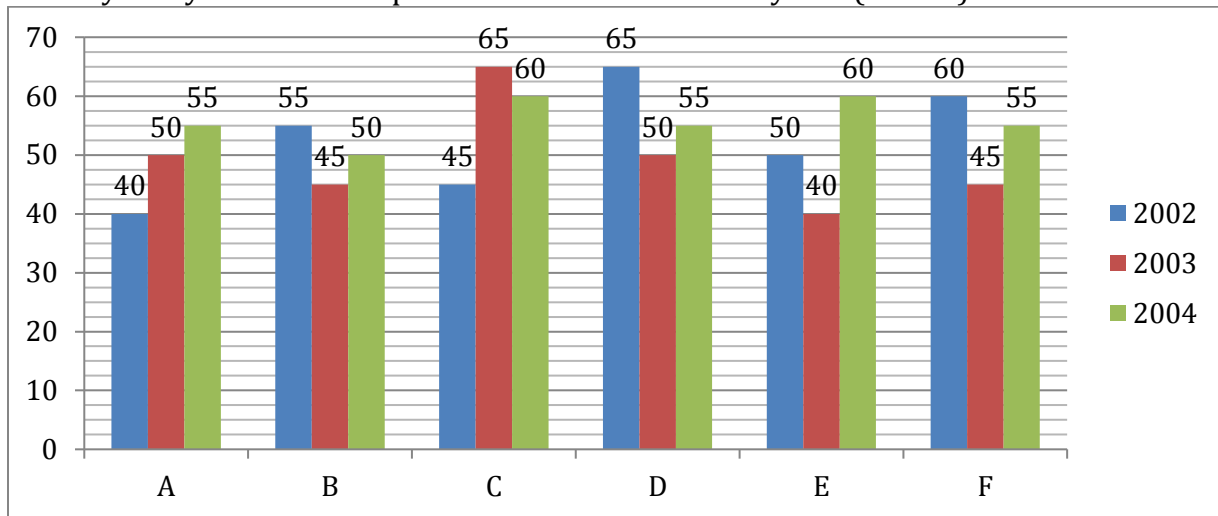
- (a)  $\frac{3}{7}$
- (b)  $\frac{5}{14}$
- (c)  $\frac{1}{7}$
- (d)  $\frac{2}{7}$
- (e)  $\frac{3}{14}$

**Q50. A bag contains 4 red balls, 6 green balls and 5 blue balls. If three balls are picked at random, what is the probability that two of them are green and one of them is blue in colour?**

- (a) 20/91
- (b) 10/91
- (c) 15/91
- (d) 5/91
- (e) 25/91

**Directions (51-55): Study the following graph carefully & answer the questions that follows:**

Production of tyres by different companies in three consecutive years (in lakh)



**Q51. What is approximate difference between average production of the 6 companies in 2002 and average production of same companies in 2004?**

- (a) 3.3 lakh
- (b) 5 lakh
- (c) 5.5 lakh
- (d) 4.5 lakh
- (e) 4 lakh

**Q52. What is percentage increase in production by company A from 2002 to 2003?**

- (a) 35%
- (b)  $7\frac{11}{13}\%$
- (c) 25%
- (d) 20%
- (e) None of these

**Q53. Which of following companies recorded the maximum percentage growth from 2002 to 2004?**

- (a) A
- (b) D
- (c) E
- (d) C
- (e) None of these

**Q54. Production of company E in 2002 & production of company C in 2004 together is what percent of production of company D in 2003?**

- (a) 120 %
- (b) 220 %
- (c) 200 %
- (d) 150 %
- (e) 250 %

**Q55. What is the ratio of production of company B in 2003 and company C in 2002 together to the company D and F in year 2004 together?**

- (a) 11 : 7
- (b) 2 : 5
- (c) 7 : 11
- (d) 11 : 9
- (e) 9 : 11

**Directions (56-60): What should come in place of question mark (?) in the following number series?**

**Q56. 282, 286, 302, ?, 402, 502**

- (a) 366
- (b) 318
- (c) 326
- (d) 338
- (e) 342

**Q57. 2187, 729, 243, 81, 27, 9, ?**

- (a) 36
- (b) 3
- (c) 18
- (d) 6
- (e) 4


**Q58. 384, 381, 372, 345, 264, ?**


- (a) 23
- (b) 25
- (c) 43
- (d) 24
- (e) 21

**Q59. 5, 9, 18, 34, 59, 95, ?**

- (a) 144
- (b) 160
- (c) 124
- (d) 154
- (e) 164



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**Q60. 8, 15, 36, 99, 288, ?**

- (a) 368
- (b) 676
- (c) 908
- (d) 855
- (e) 865

**Direction (61-65): Study the following table carefully to answer the questions that follow.**

The table shows the sales (in kg) of six different fruits in six different months by a fruit seller.

<b>Fruits</b>	<b>Mangoes</b>	<b>Grapes</b>	<b>Pineapples</b>	<b>Apples</b>	<b>Oranges</b>	<b>Berries</b>
<b>Years</b>						
<b>January</b>	560	280	1080	780	980	710
<b>February</b>	640	610	880	940	580	240
<b>March</b>	820	520	620	1000	640	680
<b>April</b>	480	380	570	1020	730	510
<b>May</b>	750	400	450	920	860	380
<b>June</b>	390	610	760	1150	460	450

**Q61. Grapes sold in April and May together is approximately by how much percent less than Oranges sold in January?**

- (a) 25.5%
- (b) 20.4%
- (c) 30.5%
- (d) 18.6%
- (e) 24%

  
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**Q62. What is the average of quantity (in kg) of mangoes, grapes, berries, pineapples and oranges sold in May, January, April, June and March respectively?**

- (a) 528
- (b) 568
- (c) 588
- (d) 586
- (e) 598

**Q63. What is the ratio of total quantity of Mangoes and Apples sold in January to that of oranges and berries sold in June?**

- (a) 97:134
- (b) 134:94
- (c) 93:134
- (d) 91:134
- (e) 134:91

**Q64. Total quantity of Berries sold is approximately what percent of total quantity of Apples sold over the given months?**

- (a) 45%
- (b) 51%
- (c) 58%
- (d) 60%
- (e) 48%

**Q65. If on selling 5 kg Apples a profit of Rs. 45 is made, then what is the total profit amount earned on selling Apples?**

- (a) Rs. 52,290
- (b) Rs. 54,450
- (c) Rs. 52,280
- (d) Rs. 59,220
- (e) None of these

**Directions (66-70): Solve the question given below and find the exact value.**

**Q66.  $580 + 24 \times 0.25 - 3 = ?$**

- (a) 580
- (b) 586
- (c) 583
- (d) 593
- (e) 563

**Q67.  $75\% \text{ of } 1228 + 45\% \text{ of } 400 = ?$**

- (a) 1201
- (b) 1101
- (c) 1301
- (d) 1501
- (e) 1001

**Q68.  $1520 + 18420 + 1680 \div 80 = ?$**

- (a) 19951
- (b) 19971
- (c) 11981
- (d) 11941
- (e) 19961

**Q69.  $? \% \text{ of } 6300 = 225 - 44\% \text{ of } 225$**

- (a) 4
- (b) 5
- (c) 2
- (d) 3
- (e) 6



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**Q70.**  $\sqrt[3]{5832} \times \sqrt{361} = 18\% \text{ of } 190 \times ?$

- (a) 12
- (b) 10
- (c) 8
- (d) 9
- (e) 15

**Q71.** If the ages of A and C are added to twice the age of B, the total becomes 59. If the ages of B and C are added to thrice the age of A, the total becomes 68. And if the age of A is added to thrice the age of B and thrice the age of C, the total becomes 108. What is the age of A ?

- (a) 17 years
- (b) 19 years
- (c) 12 years
- (d) 11 years
- (e) 21 years

**Q72.** Ruby's monthly income is three times Gayatri's monthly income. Gayatri's monthly income is fifteen percent more than Priya's monthly income. Priya's monthly income is Rs. 32,000. What is Ruby's Annual income?

- (a) Rs. 1,20,300
- (b) Rs. 13,24,800
- (c) Rs. 38,800
- (d) Rs. 54,600
- (e) Rs. 12,34,800

**Q73.** In order to maximize his gain, a theatre owner decides to reduce the price of tickets by 20% and as a result of this, the sales of tickets increase by 40%. If, as a result of these changes, he is able to increase his weekly collection by Rs. 1,68,000, find by what value did the gross collection increase per day?

- (a) 14,000
- (b) 18,000
- (c) 24,000
- (d) 20,000
- (e) 16,000

**Q74.** A person bought 864 articles and sold 800 of them for the price he paid 864 articles. He sold the remaining articles at the same price per article as the other 800. The percentage gain on the entire transaction is

- (a) 7.5%
- (b) 8%
- (c) 8.5 %
- (d) 9 %
- (e) 10 %

**Q75.** Rashmi had Rs. 4200. She invested some of it in scheme A for 4 years and rest of the money she invests in scheme B for two years. Scheme A offers simple interest at a rate of 22% p.a. and scheme B offers compound interest (compounded annually) at a rate of 10% p.a. if the interest received from Scheme A is Rs. 1516 more than the interest received from Scheme B, what was the sum invested by her in scheme A?

- (a) Rs. 2,600
- (b) Rs. 2,000
- (c) Rs. 2,200
- (d) Rs. 2,400
- (e) Rs. 1800

**Direction (76-80):** What will come at the place of question(?) marks in the following number series:

**Q76.** 4, ?, 22, 46, 94, 190

- (a) 12
- (b) 10
- (c) 15
- (d) 8
- (e) 6

**Q77.** 45, 74, 97, 116, 133, ?

- (a) 120
- (b) 147
- (c) 145
- (d) 146
- (e) 148

**Q78.** 1, 1, 2, 6, 28, ?

- (a) 232
- (b) 224
- (c) 226
- (d) 192
- (e) 222

**Q79.** 12, 10, 17, 47, 183, ?

- (a) 897
- (b) 906
- (c) 909
- (d) 903
- (e) 912

**Q80.** 68, 65, 60, 51, 34, ?

- (a) 4
- (b) 5
- (c) 3
- (d) 2
- (e) 1



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2018 मैन्स

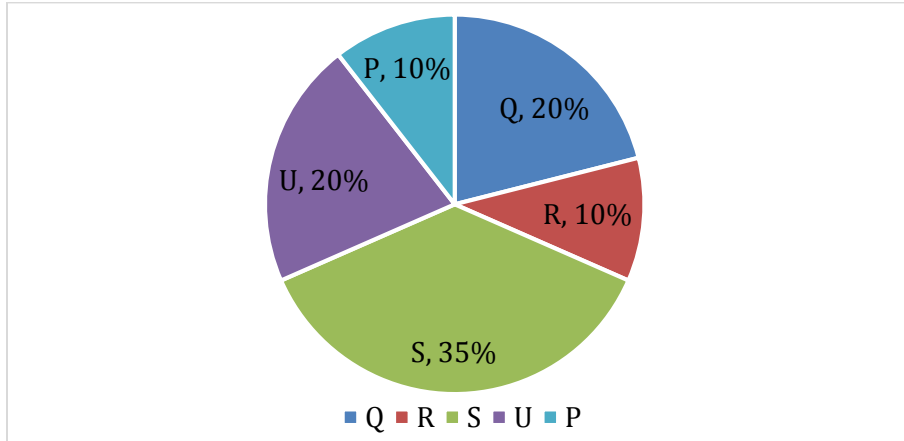
**विडियो सलूशन के साथ**

**• 10 फुल लेंग्थ मॉक**

**Direction (81-85):** The given below pie chart shows the percentage distribution of daily consumption of quantity of water by five different families in a building. Read the pie-chart carefully and answer the following questions.

**Total quantity of water consumed in a day =7,000 liters.**

**Note-**Total quantity of water available = Total quantity of water consumed + total quantity of unused water



**Q81.** The average of quantity of water consumed by families P and S is what percent more/less than the average of quantity of water consumed by families R and U?

- (a) 25%
- (b) 50%
- (c)  $33\frac{1}{3}\%$
- (d) 60%
- (e) 75%

**Q82.** If 87.5% of the quantity of water available is consumed by all families, Then, find the ratio of quantity of unused water to the difference of the quantity of water consumed by families S and Q?

- (a) 6 : 7
- (b) 44 : 45
- (c) 62 : 63
- (d) 20 : 21
- (e) 14 : 15

**Q83.** Find the ratio of the quantity of water consumed by family S and U together to the quantity of water consumed by families P and R together?

- (a) 11 : 4
- (b) 5 : 4
- (c) 3 : 2
- (d) 13 : 8
- (e) 15 : 8

**Q84.**  $3\frac{1}{7}\%$  of quantity of water consumed by family S is what percent of quantity of water consumed by R.

- (a)  $7\frac{1}{2}\%$
- (b)  $8\frac{1}{2}\%$
- (c) 10%
- (d) 12.5%
- (e) 11%

**Q85.** The difference of the quantity of water consumed by families U and S is how much more than the difference of the quantity of water consumed by family Q and R?

- (a) 350 liter
- (b) 320 liter
- (c) 330 liter
- (d) 360 liter
- (e) 340 liter

**Q86.** Shalini's present age is five times of her daughter's present age and the ratio between Shalini's present age to her father's present age is 2 : 5. If the average age of all the three 6 years hence will be 43 years, then find the ratio of present ages of her daughter to the difference of the ages of Shalini and her father?

- (a) 1 : 12
- (b) 2 : 13
- (c) 1 : 7
- (d) 2 : 15
- (e) 1 : 8

**Q87.** Kishan and Bhavya appear in an interview for a vacancy. The probability of Kishan's selection is  $\frac{1}{7}$  and that of Bhavya's selection is  $\frac{1}{5}$ . What is the probability that one of the them will be selected?

- (a)  $\frac{5}{7}$
- (b)  $\frac{4}{5}$
- (c)  $\frac{2}{7}$
- (d)  $\frac{3}{7}$
- (e)  $\frac{1}{7}$

**Q88.** A circular road runs around a circular ground. If the radius of the ground is 3.5m and the difference between the circumference of the outer circle and that of the inner circle is 88 m, then the area of the road is

- (a) 920 m<sup>2</sup>
- (b) 918 m<sup>2</sup>
- (c) 924 m<sup>2</sup>
- (d) 926 m<sup>2</sup>
- (e) 824 m<sup>2</sup>

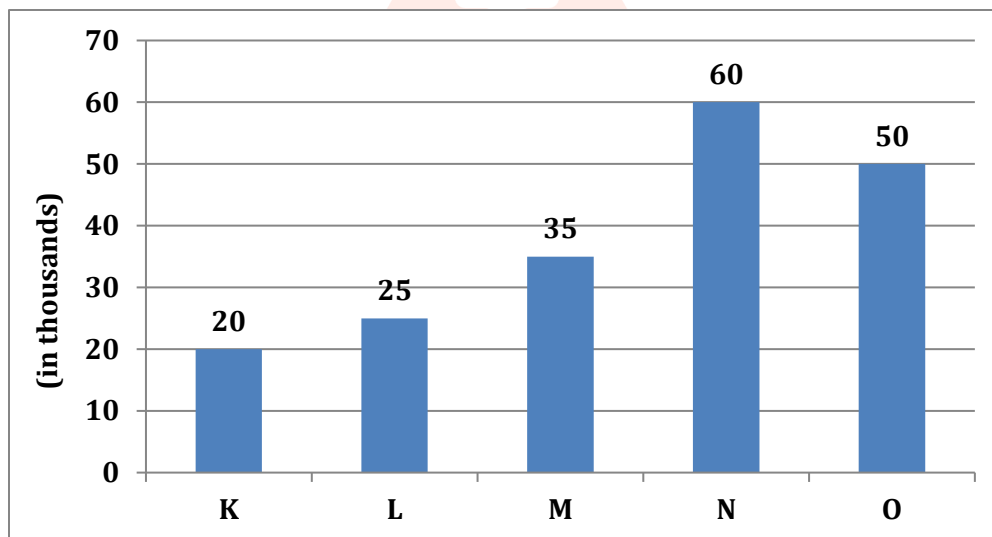
**Q89. How many different 5 digits numbers can be made from the first 7 whole numbers, using each digit only once?**

- (a) 2160
- (b) 2520
- (c) 7776
- (d) 3360
- (e) 5040

**Q90. Chiru goes to a shop to buy some bananas but some-how he managed to save Rs. 3 per 4 bananas and thus purchased 8 dozen bananas instead of 5 dozen banana. Then, find the amount he has initially with him?**

- (a) Rs 100
- (b) Rs 160
- (c) Rs 80
- (d) Rs 200
- (e) Rs 120

**Directions (91-95): Study the bar-graph and table given below carefully and answer the question accordingly. Bar-graph shows the number of people in five different cities and table shows the percentage of male in five cities and the ratio of literate and illiterate people in five different cities.**



City	Percentage of Males	Literate : Illiterate
K	40%	1 : 3
L	60%	7 : 3
M	20%	1 : 4
N	75%	3 : 2
O	68%	9 : 11

**Q91. If 40 percent of male from city K went to city L then what is the total number of males in city L?**

- (a) 17200
- (b) 19200
- (c) 16200
- (d) 18200
- (e) None of these

**Q92. What is the percentage of literate people from city L to the illiterate people from city M?**

- (a) 52.5%
- (b) 72.5%
- (c) 62.5%
- (d) 42.5%
- (e) None of these

**Q93. If 30 percent of male from city M are illiterate. Then find the ratio of illiterate male to the illiterate female from city M?**

- (a) 21 : 259
- (b) 21 : 269
- (c) 22 : 259
- (d) 23 : 259
- (e) None of these

**Q94. What is the average of illiterate people in five cities?**

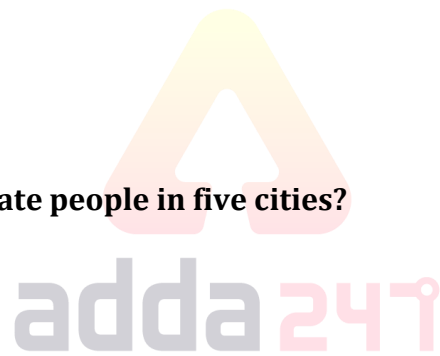
- (a) 25000
- (b) 20400
- (c) 21000
- (d) 23000
- (e) None of these

**Q95. What is the ratio of total females from city M and O to the total illiterate males from city K and city L?**

- (a) 2 : 5
- (b) 7 : 5
- (c) 5 : 7
- (d) Cannot be determined
- (e) None of these

**Q96. Two boats, traveling at 5 and 10 km per hour, head directly towards each other. They begin at a distance 20 km from each other. How far apart are they (in kms) one minute before they collide?**

- (a) 0.35 km
- (b) 0.65 km
- (c) 0.45 km
- (d) 0.25 km
- (e) None of these



**Q97.** A banker lends 2000 rupees to a customer. The rate of interest for the first year is  $x\%$ , for the second year it is  $(x+2)\%$ , for the third year it is  $(x+4)\%$  and so on. At the end of the fifth year if the total interest accrued is Rs. 1500, find the value of  $x$ .

- (a) 12
- (b) 13
- (c) 11
- (d) 14
- (e) None of these

**Q98.** A merchant mixes three varieties of rice costing Rs.20/kg, Rs.24/kg and Rs.30/kg and sells the mixture at a profit of 20% at Rs.30/kg. How many kg of the second variety will be in the mixture if 2 kg of the third variety is present in the mixture, from the given options? (all three varieties are taken in some positive integer values)

- (a) 4
- (b) 5
- (c) 6
- (d) 3
- (e) 2

**Q99.** In how many ways can the letters of the word 'KAKA' be arranged so that no two vowels are together?

- (a) 4
- (b) 5
- (c) 3
- (d) 6
- (e) None of these


**Q100.** A, B and C start simultaneously from X to Y. A reaches Y, turns back and meet B at a distance of 11 km from Y. B reached Y, turns back and meet C at a distance of 9 km from Y. If the ratio of the speeds of A and C is 3:2, what is the distance between X and Y?

- (a) 108
- (b) 198
- (c) 90
- (d) 99
- (e) None of these

**Directions (101-105):** What value should come in place of (?) in the following questions?

**Q101.**  $(12)^3 \times (6)^4 \div 432 = ?$

- (a) 5184
- (b) 5060
- (c) 5148
- (d) 5084
- (e) 5220



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**Q102.**  $[(165)^2 \div 75 \times 12] \div 36 = (?)^2$

- (a) 13
- (b) 169
- (c) 21
- (d) 11
- (e) 21

**Q103.**  $(2\frac{1}{3}) + (3\frac{2}{5} \times \frac{5}{4}) - \frac{8}{3} = ?$

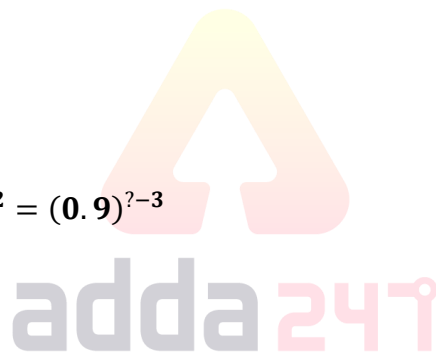
- (a)  $\frac{37}{12}$
- (b)  $\frac{17}{12}$
- (c)  $\frac{9}{2}$
- (d)  $\frac{47}{12}$
- (e)  $\frac{2}{5}$

**Q104.**  $1898 \div 73 \times 72 = (?)^2 \times 13$

- (a) -256
- (b) 256
- (c) 12
- (d) 144
- (e) -16

**Q105.**  $(0.81)^2 \div (0.729)^3 \times (0.9)^2 = (0.9)^{?-3}$

- (a) 6
- (b) 2
- (c) 4
- (d) 0
- (e) 5



**Directions (106-110):** What will come in place of question mark (?) in the following no. series?

**Q106.** 1, 2.5, 9.5, 60, ?, 17381

- (a) 704
- (b) 724
- (c) 720
- (d) 745
- (e) 840

**Q107.** 2, 10, 26, 58, 122, ?

- (a) 240
- (b) 232
- (c) 250
- (d) 254
- (e) 245



Q108. 13, 42, 73, 108, 151, 210, ?

- (a) 295
- (b) 310
- (c) 305
- (d) 301
- (e) 304

Q109. 3, 5, 19, 101, 715, ?

- (a) 6445
- (b) 6645
- (c) 6544
- (d) 6050
- (e) 6500

Q110. 131, 144, 170, 209, 261, ?

- (a) 320
- (b) 326
- (c) 330
- (d) 345
- (e) 350

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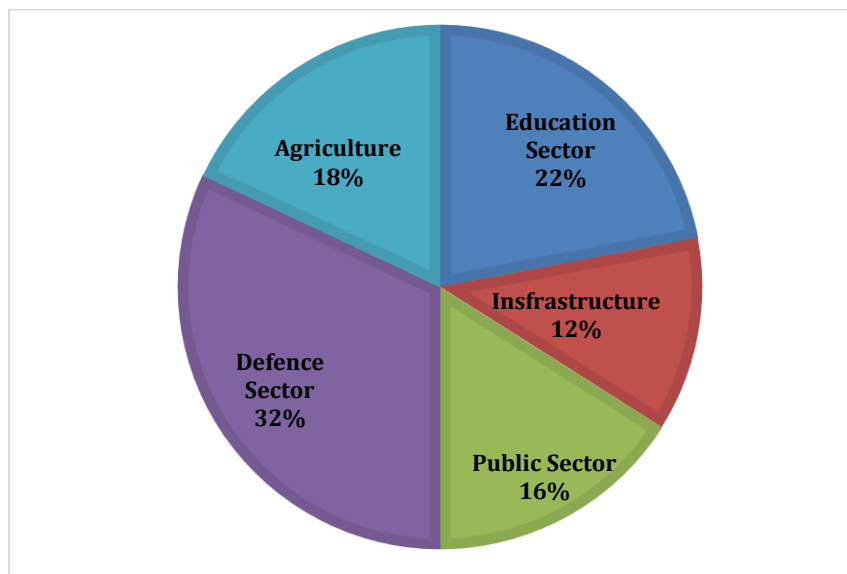
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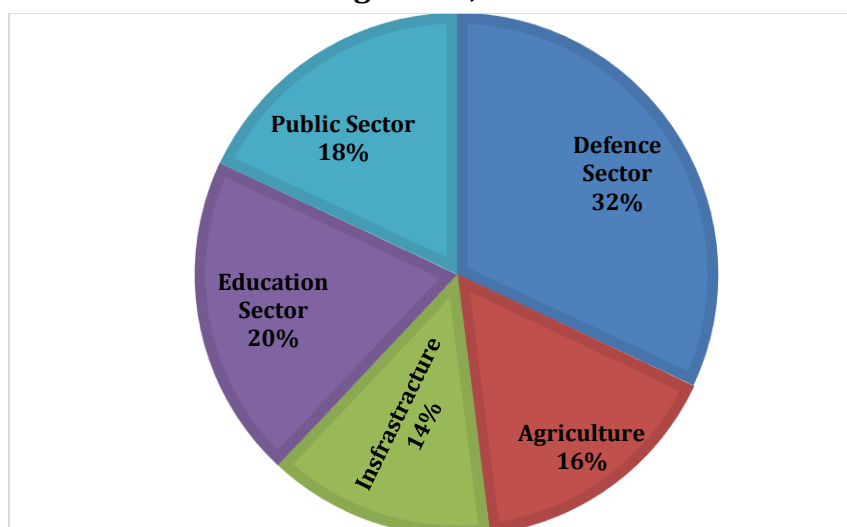
Directions (111-115): The following pie-charts show the percentage distribution of Budget presented by finance Minister Arun Jately for various sectors in two different years 2017 and 2018.

Total Budget = 20,00000 crore



2017

Total Budget = 25,00000 crore



2018

**Q111. Total budget allotted for education sector in 2017 is what percent less than total budget for the same sector in 2018?**

- (a) 14%
- (b) 12%
- (c) 16%
- (d) 10%
- (e) 18%

**Q112. What is the ratio of average of budget allotted for Agriculture and public sector together in 2017 to that for public and infrastructure sectors together in 2018?**

- (a) 21 : 23
- (b) 20 : 17
- (c) 17 : 20
- (d) 23 : 21
- (e) 13 : 21

**Q113. If extra budget allotted for defense sector in 2018 than that in 2017 is used to buy supersonic cruise missiles from Russia and cost price per missile to India was 25 crores, then how many missiles may India purchase from Russia?**

- (a) 6.4 lakhs
- (b) 4.6 lakhs
- (c) 5.4 lakhs
- (d) 4.4 lakhs
- (e) 3.6 lakhs

**Q114. The average budget allotted for public sector, agriculture and infrastructure together in 2018 is how much more (in crores) than that in 2017 for same sectors together?**

- (a)  $\frac{2800}{3}$  crore
- (b)  $\frac{280000}{3}$  crore
- (c)  $\frac{29800}{3}$  crore
- (d)  $\frac{28003}{4}$  crore
- (e) None of these

**Q115. If budget allotted for health sector in 2018 be 25% more than the budget allotted for public sector in 2017 then budget allotted for health sector is what percent of total budget allotted in 2018?**

- (a) 25%
- (b) 20%
- (c) 18%
- (d) 16%
- (e) 14%

**Q116. There are two taps to fill a tank and a third to empty it. When the third tap is closed, they can fill the tank in 10 min and 12 min, respectively. If all the three taps be opened, the tank is filled in 15 min. If the first two taps are closed, in approximately what time can the third tap empty the when it is full?**

- (a) 8 min and 34 second
- (b) 9 min and 32 second
- (c) 7 min
- (d) 6 min
- (e) 12 min

**Q117. There are two auto closed pipes X and Y which get closed if there is any disturbance can fill a tank in 10 and 15 hrs. respectively. Both the pipes are opened to fill the tank but when the tank is  $\frac{1}{3}$  rd full, a leak develops in the tank which results in closing of both pipes. Through the leak water supplied by both the pipes goes out & after it the leak was get closed by some means and both filling pipes again start filling the tank. The total time taken to fill the tank is**

- (a) 12 hr
- (b) 8 hr
- (c) 4 hr
- (d) 6 hr
- (e) 10 hr

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**Q118. If 300 men dig a 5.5 m wide, 4 m deep and 405 m long canal in an hour, then how long a canal will 2000 men working for 6 hrs, dig if it is 20 m wide and 16 m deep?**

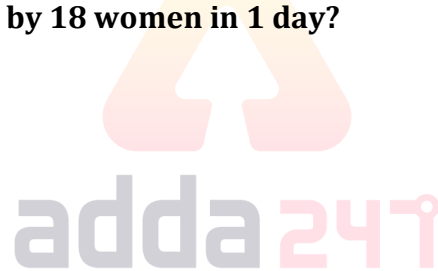
- (a) 1152 m
- (b) 1113.75 m
- (c) 1194.5 m
- (d) 1282 m
- (e) None of these

**Q119. 6 men can complete a piece of work in 12 days. 8 women can complete the same piece of work in 18 days whereas 18 children can complete the piece of work in 10 days. 4 men, 12 women and 20 children work together for 2 days. If only men were to complete the remaining work in 1 day how many men would be required totally?**

- (a) 36
- (b) 24
- (c) can't be determined
- (d) 35
- (e) None of these

**Q120. 28 men can complete a piece of work in 15 days and 15 women can complete the same piece of work in 24 days. What is the respective ratio between the amount of work done by 30 men in 1 day and the amount of work done by 18 women in 1 day?**

- (a) 10 : 7
- (b) 3 : 5
- (c) 5 : 4
- (d) 9 : 5
- (e) 5 : 9



**Directions (121-125): Study the passage and answer the questions given.**

Data given below shows the total number of books available in the college library which is 24,000. Ratio of medical (BDS and MBBS) to non-medical books is 7:9. Out of the total medical books (BDS and MBBS), the number of books for MBBS are 10% more than the number of books available for BDS.

Non-medical books consist of books for management, engineering, Diploma and BSC courses. 36% of the total non-medical books are for Diploma and BSC courses and out of this,  $44\frac{4}{9}\%$  are for BSC courses. The ratio of the number of books for management to number of books for engineering courses is 21 : 27.

**Q121. The number of books available for engineering course is how much more or less than the number of books available for BDS course**

- (a) 120
- (b) 140
- (c) 160
- (d) 170
- (e) 180

**Q122. Find the ratio of the total number of books available for MBBS and Diploma courses together to the total number of books available for management and engineering together?**

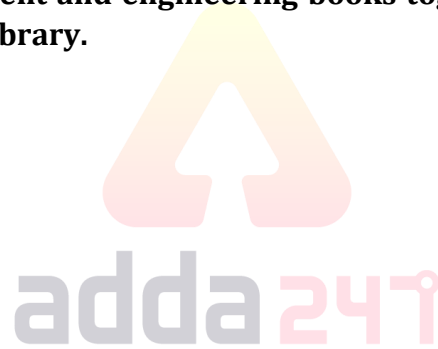
- (a) 205 : 216
- (b) 216 : 205
- (c) 26 : 27
- (d) 23 : 24
- (e) 209 : 216

**Q123. The number of books available for management courses is what percent more or less than the number of books available for MBBS.**

- (a)  $31\frac{1}{11}\%$
- (b) 30%
- (c)  $31\frac{2}{11}\%$
- (d)  $31\frac{3}{11}\%$
- (e)  $31\frac{4}{11}\%$

**Q124. Total number of management and engineering books together is what percent of the total number of medical books in the library.**

- (a)  $82\frac{2}{7}\%$
- (b)  $82\frac{4}{7}\%$
- (c)  $82\frac{3}{7}\%$
- (d)  $82\frac{1}{7}\%$
- (e)  $85\frac{5}{7}\%$



**Q125. Find the difference between the total number of books for BDS and management courses together and the total number of books for engineering, BSC and Diploma courses together?**

- (a) 960
- (b) 950
- (c) 940
- (d) 980
- (e) 930

**Directions (126–130): What approximate value will come in place of (?) in the following questions?**

**Q126.  $39.98\%$  of ? -  $49.97\%$  of 360.01 =  $39.98\%$  of 259.97**

- (a) 605
- (b) 590
- (c) 710
- (d) 845
- (e) 455

Q127.  $\frac{2.99}{3.99}$  of  $\frac{6.99}{4.99}$  of 99.98 = ?  $-\frac{3}{4}$  of 431.98

- (a) 429
- (b) 529
- (c) 329
- (d) 469
- (e) 489

Q128.  $223.97 + 369.04 + 459.93 - 381.03 = ?$

- (a) 370
- (b) 470
- (c) 572
- (d) 672
- (e) 772

Q129.  $\sqrt{29.98\% \text{ of } 449.98 + 19.96\% \text{ of } 169.95} = ?$

- (a) 13
- (b) 17
- (c) 21
- (d) 23
- (e) 27

Q130.  $109.97 \div 21.96 \times 59.97 + 314.94 = ? + 219.97$

- (a) 495
- (b) 395
- (c) 695
- (d) 275
- (e) 345

Q131. Ratio of radius to height of a cylinder is 1 : 8. If the height of cylinder is reduced by  $12\frac{1}{2}\%$  then find percentage change in total surface area of cylinder.

- (a)  $11\frac{1}{9}\%$  decrease
- (b)  $12\frac{1}{2}\%$  decrease
- (c) 18% decrease
- (d) 8% decrease
- (e) 25% decrease

Q132. A hemispherical bowl of radius 'R' is melted to form four spheres of radius 'r'. Find relation between their radii?

- (a)  $2R = r$
- (b)  $R = 2r$
- (c)  $R = 3r$
- (d)  $4R = 3r$
- (e)  $2R = 3r$

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**अब हिंदी में**

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2018 मैन्स

**विडियो सलूशन के साथ**

**• 10 फुल लेंगथ मॉक**

**Q133.** When a sphere is cut into two hemisphere the total surface area of two hemisphere is equal to the area of circle whose radius is equal to the side of square whose area is  $144 \text{ cm}^2$ . Then find the radius of sphere ?

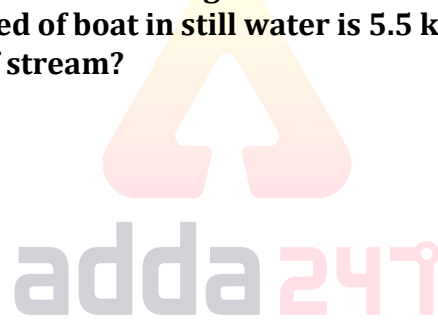
- (a)  $2\sqrt{3}$  cm
- (b)  $3\sqrt{6}$  cm
- (c) 8 cm
- (d)  $2\sqrt{6}$  cm
- (e) 6 cm

**Q134.** Two inlet pipes A and B can fill an empty tank in 12 hours and 15 hours respectively by working alone while an outlet pipe can empty the full tank in 8 hours . The inlet pipes are kept open for all the time but the outlet pipe was opened for one hour after every two hours .Find in how many hours will the tank be filled?

- (a) 8 hours 24 minutes
- (b) 10 hours 15 minutes
- (c) 9 hours 10 minutes
- (d) 9 hours 6 minutes
- (e) None of these

**Q135.** The time taken by a boat to row 12 km against the stream is same as time taken by boat to row 21 km with the stream. If speed of boat in still water is 5.5 kmph then find speed of boat is how much percent more than speed of stream?

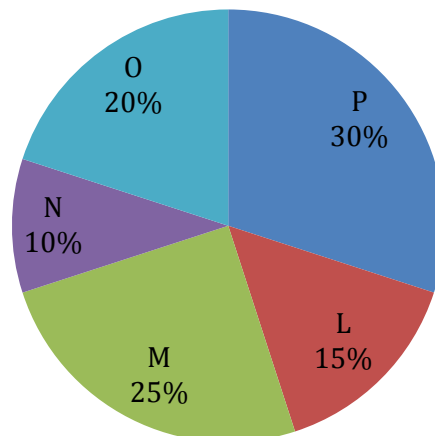
- (a)  $133\frac{1}{3}\%$
- (b)  $111\frac{1}{3}\%$
- (c) 110%
- (d) 250%
- (e)  $266\frac{2}{3}\%$



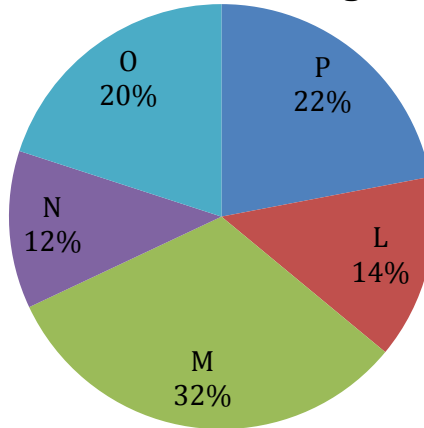
**Direction (136-140):** Study the following table and answer the questions that follow.

Percentage breakup of number of children in five different villages and breakup of children attending school from those villages

**Total number of children = 2040**



Total number of children attending school = 1450



**Q136.** What is the ratio of children who are attending school from villages M, L and O together to the total number of children who are not attending the school from villages L, N and P together?

- (a)  $\frac{310}{141}$
- (b)  $\frac{317}{149}$
- (c)  $\frac{215}{247}$
- (d)  $\frac{319}{142}$
- (e) None of these

**Q137.** Total number of children who are attending school from M, N and O together is what percent more or less than the total number of children who are attending school from P, L together and who are not attending school from O?

- (a) 45% more
- (b) 50% less
- (c) 43% more
- (d) 48% less
- (e) 35% more

**Q138.** If number of students who have not attended school from N and O together are added to the total number of students who have attended school from M, L and N then what will be the percentage increase in the number of students who were earlier attending school from M, L and N?

- (a) 12%
- (b) 18%
- (c) 20%
- (d) 15%
- (e) 17.6%

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**Q139. What is the difference between average of children who are attending school from L, M, N and O and the average of children who are not attending school from P, N and M?**

- (a) 170
- (b) 180
- (c) 160
- (d) 190
- (e) 150

**Q140. What is the difference between the total number of children who are going school from village P, L and O together and the children who are from village O, P and M together?**

- (a) 600
- (b) 620
- (c) 698
- (d) 718
- (e) 730

**Directions (141-145): Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer**

- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (c) if the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (d) if the data given in both statement I and II together are not sufficient to answer the question.
- (e) if the data in both statement I and II together are necessary to answer the question.

**Q141. A college gives admission on the basis of a student's performance in Mathematics or Science. To get the admission, a student should get more than 88% in Mathematics or more than 83% in Science. Did Rahul get more than 88% in Mathematics ?**

- I. Rahul got admission into the college.
- II. Rahul got 70% marks in Science.

**Q142. In how many days can 10 men complete a work ?**

- I. 20 men take 10 days more than 32 boys do to complete the work and one boy works at  $\frac{3}{4}$ th of the rate of a man.
- II. One woman or one boy can do the work in 70 days while one man, one woman and one boy can do the work in 7 days.

**Q143. What is the cost price of the washing machine purchased by Mr. Gupta ?**

- I. Mr. Gupta got 25% discount on the labeled price.
- II. Mr. Gupta sold the washing machine for Rs. 34500 at 15% profit on the labelled price.

**Q144. What is the distance between city P and city Q?**

I. Two persons A and B started simultaneously from P and Q towards each other at their respective speeds in the ratio of 4 : 5.

II. B reaches P one hour earlier than A to Q. the difference between the speeds of A and B is 20 kmph.

**Q145. How many children are there in a group?**

I. The total age of the group of children is 630 years whereas the average age is 15 years.

II. The total age of the group of children and 5 teachers is 855 years.

**Directions (146-150): Two equations I and II are given below in each question. You have to solve these equations and give answer**

(a) if  $x < y$

(b) if  $x > y$

(c) if  $x \leq y$

(d) if  $x \geq y$

(e) if  $x = y$  or no relation can be established

**Q146. I.**  $\sqrt{x + 18} = \sqrt{144} - \sqrt{49}$

**II.**  $y^2 + 409 = 473$

**Q147. I.**  $y^2 - x^2 = 32$

**II.**  $y - x = 2$

**Q148. I.**  $\sqrt{x} - \frac{\sqrt{5}}{\sqrt{x}} = 0$

**II.**  $y^3 - 5^{(3/2)} = 0$

**Q149. I.**  $8x^2 + 78x + 169 = 0$


**II.**  $20y^2 - 117y + 169 = 0$

**Q150. I.**  $\frac{15}{\sqrt{x}} + \frac{9}{\sqrt{x}} = 11\sqrt{x}$

**II.**  $\frac{\sqrt{y}}{4} + \frac{5\sqrt{y}}{12} = \frac{1}{\sqrt{y}}$



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