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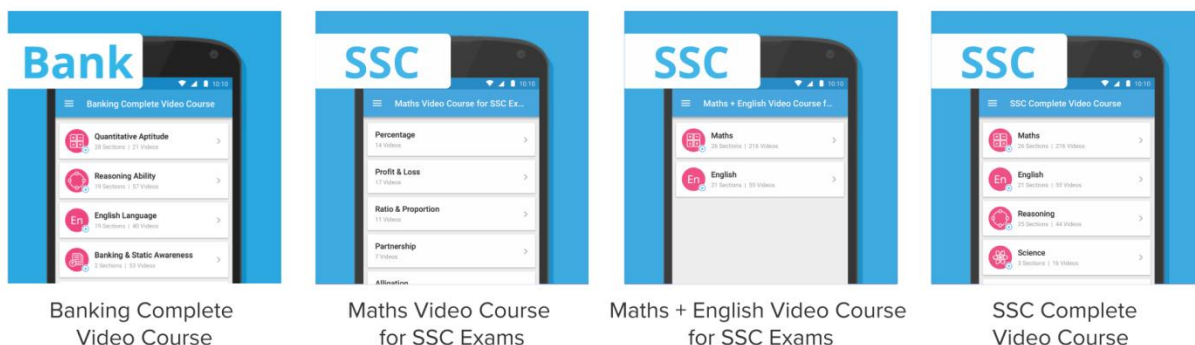
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Directions (1-5): Which term is placed incorrectly in the following questions ?

Q1. 190, 166, 145, 128, 112, 100, 91

- (a) 190
- (b) 145
- (c) 128
- (d) 100
- (e) None of these

Q2. 9261, 6859, 4913, 3376, 2197

- (a) 9261
- (b) 6859
- (c) 4913
- (d) 3376
- (e) 2197

Q3. 625, 626, 945, 1881, 4703.5

- (a) 625
- (b) 626
- (c) 1881
- (d) 4703.5
- (e) 945

Q4. 20, 35, 60, 106, 190

- (a) 20
- (b) 35
- (c) 60
- (d) 106
- (e) 190

Q5. 130, 340, 812.5, 2031.25, 5078.125

- (a) 130
- (b) 340
- (c) 812.5
- (d) 2031.25
- (e) 5078.125

Q6. In a race of 300 m A beats S by 30 m and N by 50 m .If S and N are running a race of 200 m with exactly the same speed as before, then by how many approximate metres will S beat N?

- (a) 15 m
- (b) 10 m
- (c) 12 m
- (d) 25 m
- (e) None of these



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Q7. There are 3 containers A, B and C which contain water, milk and acid respectively in equal quantities. 10% of the content of A is taken out and poured into B. Then, the same 10% from B is transferred to C, from which again the same 10% is transferred to A. What is the proportion of milk in container A at the end of the process ?

- (a) $\frac{9}{10}$
- (b) $\frac{1}{11}$
- (c) $\frac{1}{121}$
- (d) $\frac{10}{1011}$
- (e) None of these

Q8. A trader marked his goods at 20% above the cost price of Rs.245346. He sold half the stock at the marked price, one quarter at a discount of 20% on the marked price and the rest at a discount of 40% on the marked price. His total gain is,

- (a) 2%
- (b) 15%
- (c) 2.75%
- (d) 13.5%
- (e) None of these

Q9. A sum of money invested for 12 years was in Scheme A which offers simple interest at a rate of 10% p.a. The amount received from Scheme A after 12 years was then invested for two years in Scheme B which offers compound interest (compounded annually) at a rate of 15% p.a. If the interest received from Scheme B was Rs 7,095, what was the sum invested in Scheme A?

- (a) Rs 9,500
- (b) Rs 12,500
- (c) Rs 11,500
- (d) Rs 10,500
- (e) Rs 10,000

Q10. A shopkeeper first allows a trade discount of 25% and then a cash discount of $\frac{32}{5}\%$ on the marked price of the goods and gets a net gain of 17% of the cost. If marked price be Rs. $\frac{500}{3}$, what will be the cost price?

- (a) 80
- (b) 100
- (c) 105
- (d) 120
- (e) 75

Q11. Of an adult population in a certain city, 52% of men and 28% of women are married. If no man marries more than one woman, and vice versa, What is the percentage of total population of adults who are married ?

- (a) 30%
- (b) 31.14%
- (c) 36.4%
- (d) 37%
- (e) 29.33%

Q12. The electricity bill of a certain establishment is partly fixed and partly varies as the number of units of electricity consumed. When in a certain month, 540 units are consumed, the bill is Rs. 1800. In another month, 620 units are consumed and the bill is Rs. 2040. In yet another month, 500 units are consumed? What would be the bill for the month?

- (a) 1660
- (b) 1680
- (c) 1620
- (d) 1600
- (e) None of these

Q13. In a recent survey 40% houses contained two or more persons. Of those houses containing only one person, 25% were having only a male while remaining were having one female only. What is the percentage of all houses, which contain exactly one female and no males ?

- (a) 75%
- (b) 40%
- (c) 15%
- (d) 45%
- (e) None of these

Q14. A man can swim 45 m/min in still water swims 250m against the current and 250 m with the current. If the total time taken by man is 20 min, what is the speed of the current?

- (a) 30 m/min
- (b) 35 m/min
- (c) 25 m/min
- (d) 32 m/min
- (e) None of these

Q15. A bottle is full of dettol. One-third of it is taken out and then an equal amount of water is poured into the bottle to fill it. This operation is done four times. Find the final ratio of dettol and water in the bottle.

- (a) 13 : 55
- (b) 20 : 74
- (c) 16 : 65
- (d) 10 : 48
- (e) None of these

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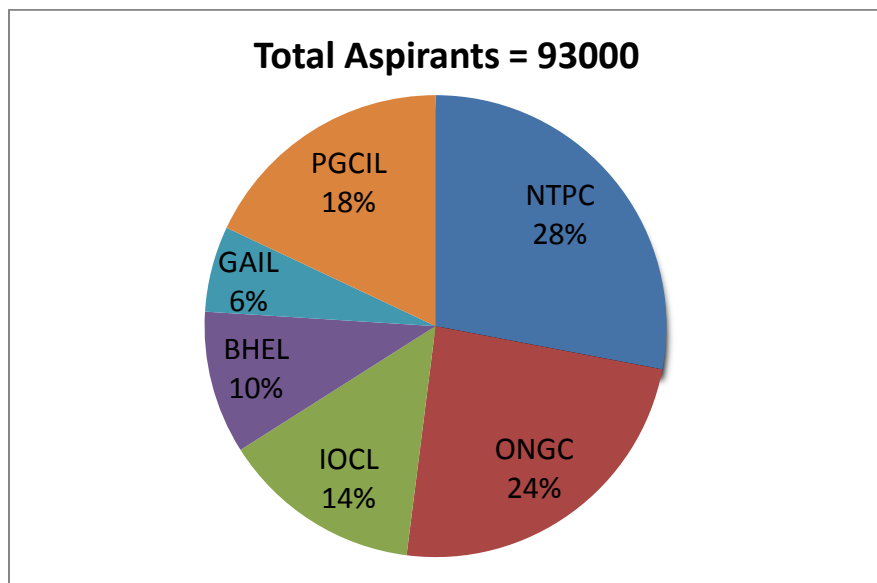
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Directions (16 – 20): Study the following pie chart shows the percentage of total number of aspirants applied for various Govt. examinations in 2016 organized by various PSUs



Vacancies	
NTPC	950
ONGC	989
IOCL	550
BHEL	280
GAIL	70
PGCIL	1625



Q16. Average number of aspirants applied for a Govt. exam is approximately how many times the total no. of vacancies?

- (a) 7
- (b) 2
- (c) 4
- (d) 8
- (e) 11

Q17. If PGCIL reduces two-fifth of its vacancies, then total vacancies will be reduced by how much percent(upto two decimal place)?

- (a) 13.56%
- (b) 14.56%
- (c) 18.2%
- (d) 17%
- (e) None of these

Q18. What will be the approximate difference between no. of aspirant per post in ONGC to the no. of aspirant per post in NTPC?

- (a) 11
- (b) 9
- (c) 5
- (d) 2
- (e) 1

Q19. For each vacancy, 4 will be selected for interview after written exam and one will be finally selected. If no. of vacancies of NTPC increased by 10%. No. of aspirants qualified for Interview for NTPC is approximately how many times the no of aspirants qualified for interview in BHEL and GAIL together.

- (a) 3
- (b) 3.5
- (c) 5
- (d) 4.5
- (e) 2

Q20. Out of all vacancies allocated, 15% of the selected aspirants didn't join. Hence 8% of the NTPC and 10% of PGCIL vacancies remain unfulfilled. What is approximate percent of total vacancies remain unfulfilled for NTPC and PGCIL to the rest of the organizations vacancy which remain unfulfilled.?

- (a) 33
- (b) 44
- (c) 55
- (d) 50
- (e) 60

Q21. A vessel contains a mixture of Grape, Pineapple and Banana juices in the respective ratio of 4 : 6 : 5. 15 litres of this mixture is taken out and 8 litres of grape juice and 2 litres of pineapple juice is added to the vessel. If the resultant quantity of grape juice is 10 litres less than the resultant quantity of pineapple juice, what was the initial quantity of mixture in the vessel? (in litres)

- (a) 120
- (b) 150
- (c) 105
- (d) 135
- (e) 90

Q22. From a container of milk, 5 litres of milk is replaced with 5 litres of water. This process is repeated again. Thus in two attempts the ratio of milk and water became 81 : 19. The initial amount of milk in the container was

- (a) 50 litres
- (b) 45 litres
- (c) 40 litres
- (d) 25 litres
- (e) None of these



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Q23. 24 men can complete a piece of work in 18 days while 12 women can complete the same piece of work in 28 days. 27 men start working and are replaced by 14 women after 8 days. In how many days will 14 women finish the remaining work?

- (a) 12 days
- (b) 14 days
- (c) 13 days
- (d) $12\frac{1}{2}$ days
- (e) 15 days

Q24. There are five boxes in a cargo hold. The weight of the first box is 200 kg and the weight of the second box is 20% higher than the weight of the third box, whose weight is 25% higher than the first box's weight. The fourth box at 350 kg is 30% lighter than the fifth box. Find the difference in the average weight of the four heaviest boxes and the four lightest boxes.

- (a) 51.5 kg
- (b) 75 kg
- (c) 37.5 kg
- (d) 112.5 kg
- (e) None of these

Q25. There were 42 students in a hostel. Due to the admission of 13 new students, the expenses of the mess increase by Rs. 30 per day while the average expenditure per head diminished by Rs. 3. What was the original expenditure of the mess ?

- (a) Rs. 630
- (b) Rs. 580
- (c) Rs. 620
- (d) Rs. 640
- (e) None of these

Q26. 4 years ago, the respective ratio between $\frac{1}{2}$ of A's age at that time and four times of B's age at that time was 5 : 12. Eight years hence $\frac{1}{2}$ of A's age at that time will be less than B's age at that time by 2 years. What is B's present age ?

- (a) 10 years
- (b) 14 years
- (c) 12 years
- (d) 5 years
- (e) 8 years

Q27. A machine depreciates in value each year at the rate of 10% of its previous value. However, every second year there is some maintenance work so that in that particular year, depreciation is only 5% of its previous value. If at the end of the fourth year, the value of the machine stands at Rs 1,46,205, then find the value of machine at the start of the first year.

- (a) Rs 1,90,000
- (b) Rs 2,00,000
- (c) Rs, 1,95,000
- (d) Rs 2,10,000
- (e) None of these



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Q28. A watch dealer sells watches at Rs 600 per watch. However, he is forced to give two successive discounts of 10% and 5% respectively. However, he recovers the sales tax on the net sale price from the customer at 5% of the net price. What price does a customer have to pay him to buy the watch?

- (a) Rs 539.75
- (b) Rs 539.65
- (c) Rs 538.75
- (d) Rs 538.65
- (e) None of these

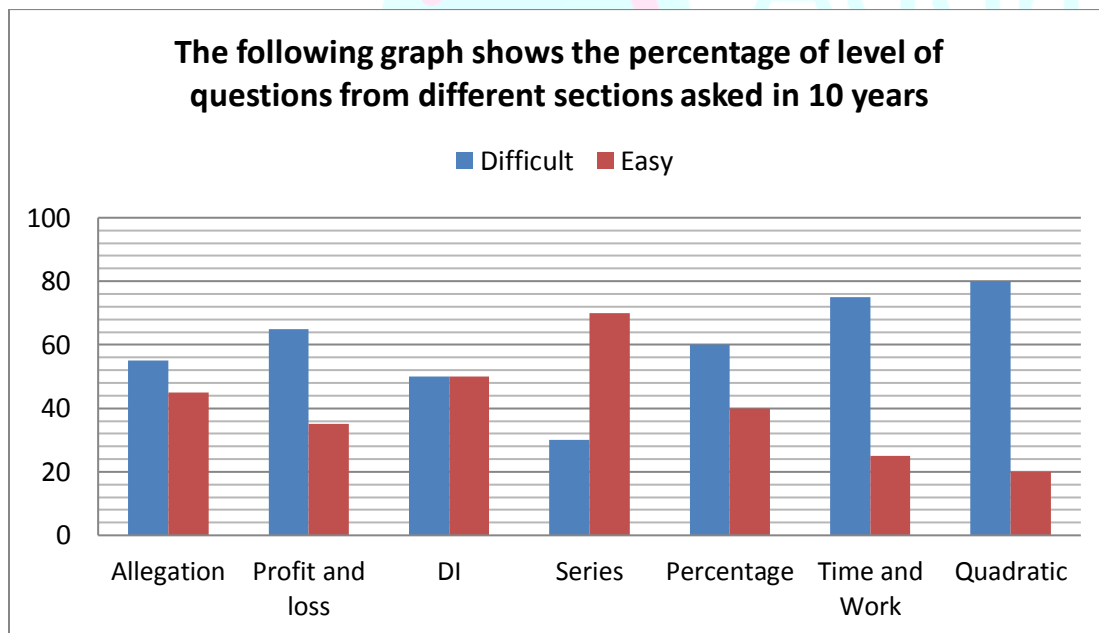
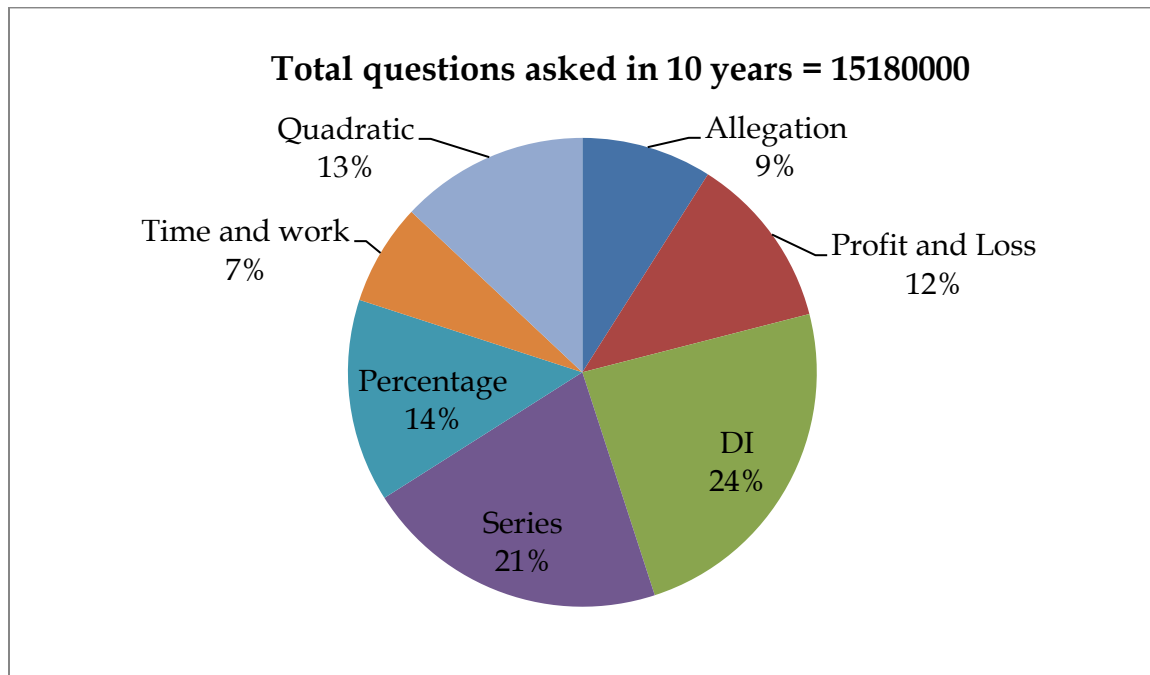
Q29. In a college, the ratio of boys to girls is 29 : 33 respectively. When 142 more boys join the college, this ratio becomes 21 : 19. How many more girls should join the college to make the number of boys and girls equal?

- (a) 75
- (b) 90
- (c) 60
- (d) 66
- (e) None of these

Q30. A factory employs skilled workers, unskilled workers and clerks in the proportion 8 : 5 : 1, and the wages of a skilled worker, an unskilled worker and a clerk are in the ratio 5 : 2 : 3. When 20 unskilled workers are employed, the total daily wages of all amount to Rs 318. Total wages paid to each category of workers are

- (a) Rs 240, Rs 60, Rs 18
- (b) Rs 200, Rs 90, Rs 28
- (c) Rs 150, Rs 108, Rs 60
- (d) Rs 250, Rs 50, Rs 18
- (e) None of these

Directions (31-35): Study the following graph and answer the questions accordingly:
The following pie-chart shows the percentage distribution of questions asked from different sections of quant in 10 years in various banking exams



Q31. What is the difference between the number of difficult questions asked from DI and Series sections ?

- (a) 693342
- (b) 865260
- (c) 682503
- (d) 721050
- (e) 713394

Q32. The number of difficult questions asked from Allegation section are approximately what percent of number of difficult questions asked from Quadratic section ?

- (a) 48%
- (b) 67%
- (c) 37%
- (d) 24%
- (e) 73%

Q33. What is the ratio of total number of easy questions asked from Allegation and Profit and Loss sections together to the total number of easy questions asked from Percentage and Time and work sections together ?

- (a) 111:123
- (b) 241:233
- (c) 23:77
- (d) 125:351
- (e) None of these

Q34. The number of difficult questions asked from Series section are what percent more or less than the total number of questions asked from Percentage section ?

- (a) 61% less
- (b) 59% less
- (c) 55% less
- (d) 67% more
- (e) 60% less

Q35. What is the average number of difficult questions asked from DI, Quadratic and Allegation sections together ?

- (a) 2745340
- (b) 1756880
- (c) 2383400
- (d) 1383910
- (e) None of these

Directions (36-40): Find out the approximate value which should replace the question mark (?) in the following questions. (You are not expected to find out the exact value)

Q36. $8,23,199.98 \times 99.92 = ? \times 80,000$

- (a) 1000
- (b) 1030
- (c) 1080
- (d) 1065
- (e) 1010

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Q37. $\sqrt{675.9995} + (3.9989)^2 = ? \div \frac{1}{6.9900865}$

- (a) 6
- (b) 50
- (c) 10
- (d) 125
- (e) 15

Q38. $874.96 + 94.0091 \times 34.98 - 1244.98 = ?$

- (a) 2745
- (b) 4000
- (c) 1600
- (d) 4225
- (e) 2920

Q39. $(45.004\% \text{ of } 1439.97 - 15.99\% \text{ of } 2249.97) \div 35.98 = ?$

- (a) 7
- (b) 5
- (c) 3
- (d) 8
- (e) 1

Q40. $(242699 + 167109) \div (9946 - 9446) = ?$

- (a) 850
- (b) 852
- (c) 835
- (d) 800
- (e) 820



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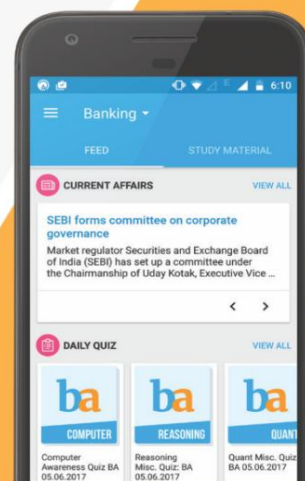
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