

(Paper) SBI Clerk Exam Paper - 2014

:: QUANTITATIVE APTITUDE ::

1. A Vessel contains 60 litres of milk, 6 litres of milk is taken out and 6 litres of water is added to the vessel. Again 6 litres of milk from the vessel is withdrawn and 6 litres of water is added to the vessel. The ratio of milk and water in the resulting mixture in the vessel is

- 1) 81 : 19
- 2) 71 : 29
- 3) 61 : 39
- 4) 61 : 29
- 5) None of these

2. The present age of Rakshak is twice the present age of Sonal. Five years hence, Sonal's age will be twice the present age of Arati. Five years ago, the ratio of the ages of Arati and Kiran was 2 : 3 respectively. Kiran's present age is 20 years. Find Rakshak's present age.

- 1) 45 years
- 2) 50 years
- 3) 35 years
- 4) 40 years
- 5) None of these

3. Simple interest on a certain sum at a certain rate for 2 years is Rs.160 and compound interest on the same sum at the same rate and for the same period is Rs.170. The rate of interest per annum is:

- 1) 12%
- 2) 12.5%

- 3) 8%
- 4) 9%
- 5) None of these

4. Neha Chaudhary bought some goods for Rs.10000. She sold half of the goods at a loss of 25%. At what percent of profit should she sell the remaining goods so that she gets a gain of 38% on the whole transaction?

- 1) 75%
- 2) 85%
- 3) 101%
- 4) 105%
- 5) None of these

5. The cost price of 8 chairs is same as that of 5 tables. The total cost of 6 chairs and 2 tables is Rs.3680. Find the cost of 6 tables.

- 1) Rs.3840
- 2) Rs.3850
- 3) Rs.3860
- 4) Rs.3845
- 5) None of these

Directions (6 – 15): What will come in place of the question mark (?) in each of the following questions?

6.

$$\frac{(4.5)^2 \times (3.6)^2}{(0.9)^2 \times (0.5)^2 \times (?)^4} = 1$$

- 1) 3
- 2) 5
- 3) 7
- 4) 6
- 5) 8

7.

$$4\frac{4}{5} - 3\frac{3}{5} - 5\frac{5}{6} + 6\frac{6}{7} = ?$$

1) $2\frac{47}{210}$

2) $2\frac{41}{210}$

3) $3\frac{47}{210}$

4) $3\frac{41}{210}$

5) None of these

8. $\frac{11}{51}$ of $\frac{13}{15}$ of $\frac{17}{19}$ of ? = $\frac{286}{3}$

- 1) 560
- 2) 570
- 3) 580
- 4) 590
- 5) None of these

9. $\sqrt{1600} + \sqrt{576} = ?$

- 1) 3969

- 2) 3096
- 3) 2096
- 4) 4096
- 5) None of these

10. $878.34 - ? + 345.43 = 579.39$

- 1) 644.38
- 2) 654.38
- 3) 649.38
- 4) 654.49
- 5) None of these

11. $1.64 + 0.64 + 0.064 - 0.8 - 0.08 = ?$

- 1) 1.644
- 2) 1.464
- 3) 2.464
- 4) 1.466
- 5) None of these

12. $285.5 \times 2.4 + 24.6 \times 36.4 = ? \times 0.8$

- 1) 1875.5
- 2) 1795.8
- 3) 1975.8
- 4) 1888.6
- 5) None of these

13. $592 = 492 = 2? \times 33 \times 5$

- 1) 4
- 2) 1
- 3) 2
- 4) 3
- 5) None of these

14. $13.5 \times 5 + 245 \times 0.5 + 677.5 = 59.1 \times ?$

- 1) 14.7
- 2) 15.8
- 3) 16.5
- 4) 21.7
- 5) None of these

15. $40\% \text{ of } 1476 + 25\% \text{ of } ? = 12933 \div 20$

- 1) 215
- 2) 225
- 3) 235
- 4) 216
- 5) None of these

16. A boatman rows downstream a distance of 30 km in 6 hours and upstream a distance of 24 km in 6 hours. The ratio of speed of boat in still water and speed of current is

- 1) 9 : 1
- 2) 8 : 1
- 3) 9 : 2
- 4) 8 : 3
- 5) None of these

17. The part of work done by A in 1 day is $\frac{1}{5}$ th of the part of work done by B in 1 Day. A's 1 day's work in $\frac{3}{4}$ th of C's 1 day's work. C alone can complete the work in 24 days. In how many days will B alone do the same work?

- 1) $\frac{42}{5}$ days
- 2) $\frac{32}{5}$ days
- 3) $\frac{22}{5}$ days
- 4) 17 days
- 5) None of these

18. A, B and C together start a business. The ratio of investment of A and B is 7 : 8 and that of B and C is 4 : 9. B gets a share of Rs. 7104 in annual profit. What is C's share in the profit?

- 1) Rs.16984
- 2) Rs.16894
- 3) Rs.15894
- 4) Rs.14894
- 5) None of these

19. The present population of a city P is thrice the present population of city Q. Two years hence, the population of city Q will be 18513. If the rate of growth of population of city Q is 10% per annum, what is the present population of city P

- 1) 48500
- 2) 45500
- 3) 49500
- 4) 45900
- 5) None of these

20. Vishal invested $\frac{2}{11}$ th part of his monthly income in stocks share and that of $\frac{1}{4}$ th part in mutual

fund. He spent the remaining amount on domestic needs and apparel in the ratio 5 : 3 respectively. The expenditure on domestic needs was Rs.2100. What is his annual income?

- 1) Rs.84480
- 2) Rs.85480
- 3) Rs.86480
- 4) Rs.83480
- 5) None of these

21. The distance between Shaurya's house and Pratyusha's house is 18 km. Shaurya's speed is $\frac{3}{4}$ th of that of Pratyusha. Shaurya takes one hour in going to Pratyusha's house. What is the speed of Pratyusha?

- 1) 18 kmph
- 2) 24 kmph
- 3) 30 kmph
- 4) 32 kmph
- 5) None of these

22. In a piggy bank there are 1 rupee, 50 paise and 25 paise coins. The respective ratio of their numbers is 10 : 8 : 5. In the piggy bank there is a total sum of Rs. 976. How many 25 paise coins are there in the piggy bank?

- 1) 256
- 2) 360
- 3) 320
- 4) 640
- 5) None of these

23. The salary of Sarthak is 40% of that of Sarvagya. Harish's salary is 60% of that of Sarthak. By what per cent is Sarvagya's salary more than that of Harish?

- 1) 317
- 2) 217
- 3) 228
- 4) 281
- 5) None of these

24. The perimeter of a square plot is equal to the perimeter of a rectangular plot which is 23 metre long and 19 metre broad. What will be the diagonal of the square plot?

- 1) $17\sqrt{2}$ m
- 2) $21\sqrt{2}$ m
- 3) $22\sqrt{2}$ m
- 4) $23\sqrt{2}$ m
- 5) None of these

25. A tank is fitted with two inlet pipes A and B and an outlet pipe C. Pipe A can fill the empty tank in 12 minutes. While pipe B alone can fill it in 18 minutes. Pipe C can empty the full tank in $\frac{45}{4}$ minutes. If all three pipes are opened simultaneously, in what time will the empty tank be filled?

- 1) 16 minutes
- 2) 18 minutes
- 3) 20 minutes
- 4) 22 minutes
- 5) None of these

26. The sum of 68 numbers is 3474. The average of first 22 numbers is 61 and that of last 19 numbers is 44. What will be the average of remaining numbers?

- 1) 44
- 2) 48

- 3) 46
- 4) 50
- 5) 52

Directions (27 – 31): What will come in place of the question mark (?) in the following number series?

27. 5 12.5 32.5 105 427.5 ?

- 1) 2145
- 2) 2045
- 3) 2245
- 4) 2005
- 5) None of these

28. 20 38 74 146 290 ?

- 1) 576
- 2) 578
- 3) 580
- 4) 574
- 5) None of these

29. 12 13 21 85 597 ?

- 1) 4683
- 2) 4663
- 3) 4693
- 4) 4863
- 5) None of these

30. 400 800 880 896 899.2 ?

- 1) 889.48
- 2) 898.48
- 3) 899.64
- 4) 899.84
- 5) None of these

31. 40 20 30 75 262.5 ?

- 1) 1181.25
- 2) 1182.25
- 3) 1281.25
- 4) 1161.25
- 5) 1811.25

32. If $(7x/12) - 12 = 23 + (3x/8)$, find the value of x.

- 1) 164
- 2) 168
- 3) 165
- 4) 180
- 5) 140

33. The diameter of a wheel is 42 cm. How many revolutions will be made by the wheel in covering a distance of 4092 metre?

- 1) 3600
- 2) 3200
- 3) 3100
- 4) 3300

5) None of these

34. Ankur invested a sum of Rs.16800 for four years in a scheme A. The rate of interest in scheme A is 8% per annum compounded yearly for the first two years and 10% for the third and fourth years compounded yearly. What will be the compound interest at the end of 4 years?

- 1) Rs.6810
- 2) Rs.6910
- 3) Rs.6540
- 4) Rs.6210
- 5) Rs.6740

Directions (35 – 40): Read the following table carefully and answer the questions given below it.

Stores/ Years	M	N	O	P	Q	R
2001	750	478	575	670	595	852
2002	680	780	760	490	675	780
2003	575	470	720	870	835	820
2004	482	670	665	790	485	645
2005	515	720	829	585	650	855

35. What is the respective ratio between the total number of sun glasses sold by store M in the years 2001, 2002 and 2003 and that sold by store P in the same years?

- 1) 401 : 406
- 2) 201 : 203
- 3) 131 : 139
- 4) 411 : 406
- 5) None of these

36. By what per cent is the number of sun glasses sold by store N in the year 2005 less than that sold by store R in the year 2003?

- 1) 10%
- 2) 12%
- 3) 14%
- 4) 15%
- 5) 20%

37. What is the respective ratio between the average number of sun glasses sold by store P and store Q during all the give years?

- 1) 271 : 276
- 2) 217 : 216
- 3) 227 : 216
- 4) 113 : 115
- 5) None of these

38. By what per cent approximately is the total number of sun glasses sold by store P in the years 2003, 2004 and 2005 more than that sold by store Q in the same years?

- 1) 14%
- 2) 16%
- 3) 18%

4) 12%

5) 17%

39. What is the average number of sun glasses sold by store R ?

1) 760

2) 790

3) 810

4) 820

5) 829

40. How many sun glasses were sold by all the stores in the year 2003?

1) 5190

2) 4190

3) 4290

4) 5290

5) None of these