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SBI Clerk Exam Paper - 2016

"Held On 05-06-2016"

:: NUMERICAL ABILITY ::

1. The average monthly income of P and Q is Rs. 7,050/. The average monthly income of Q and R is Rs.7,700/and that of P and R is Rs.8,250/. What is the monthly income of P ?

- (1) Rs. 7,200/
- (2) Rs. 7,800/
- (3) Rs. 7,400/
- (4) Rs. 8,000/
- (5) Rs. 7,600/

2. The side of a square is equal to height of a triangle. If the area of the triangle is 294 m^2 and the respective ratio of its height and base is 3 : 4, what is the perimeter of the square (in m) ?

- (1) 108
- (2) 96
- (3) 84
- (4) 72
- (5) 60

3. The interest earned when a sum of Rs. 1,200/ was invested for 4 years in scheme A (offering simple interest at the rate of 20% p.a.) was Rs. 1,460/ less than the amount received when Rs. x was invested for 2 years in scheme B (offering compound interest compounded annually at the rate of 10% p.a.)What was x ?

- (1) Rs. 4,000/
- (2) Rs. 2,500/
- (3) Rs. 1,500/
- (4) Rs.3,000/
- (5) Rs.2,000/

4. The sum of allowances received by Riddhi and Siddhi together was Rs. 3,800/. Riddhi and Siddhi both paid $\frac{2}{8}$ th of their respective allowances as their tuition fees. If the tuition fees paid by Siddhi was more than that paid by Riddhi, by Rs. 80/, how much was Riddhi's allowances ?

- (1) Rs. 1,800/
- (2) Rs. 1,740/
- (3) Rs. 1,640/
- (4) Rs. 1,840/
- (5) None of these

5. Train A, 220m long, can cross a platform 340 m long in 32 sec. If the respective ratio of speed of trains A and B is 7 : 9 and the length of train B is 270 m, how much time (in sec) would train B take to cross an electric pole ?

- (1) 18
- (2) 12
- (3) 20
- (4) 22
- (5) 14

Directions (6-10) : Refer to the table and answer the following questions.

Number of Horror Novels published by 5 companies during 5 months

Month	Company A	Company B	Company C	Company D	Company E
January	11	9	7	9	8
February	12	10	8	11	9
March	13	11	9	12	10
April	14	12	10	13	11
May	15	13	11	14	12

6. What is the respective ratio between total number of horror novels published by company A in January and April together and total number of horror novels published by company C in February and March together ?

- (1) 11 : 14
- (2) 9 : 16
- (3) 7 : 12
- (4) 9 : 14
- (5) 8 : 15

7. Number of horror novels published by company E in January is what percent less than the number of horror novels published by company D in February

(1) $42\frac{3}{8}\%$

(2) $40\frac{5}{8}\%$

(3) $36\frac{3}{4}\%$

(4) $38\frac{5}{8}\%$

(5) $39\frac{1}{16}\%$

8. What is the difference between total number of horror novels published by company A in February and March together and that by company C in January and April together ?

- (1) 98
- (2) 88
- (3) 92
- (4) 94
- (5) 84

9. What is the average number of horror novels published by companies B, D and E in March ?

- (1) 69
- (2) 65
- (3) 67
- (4) 63
- (5) 71

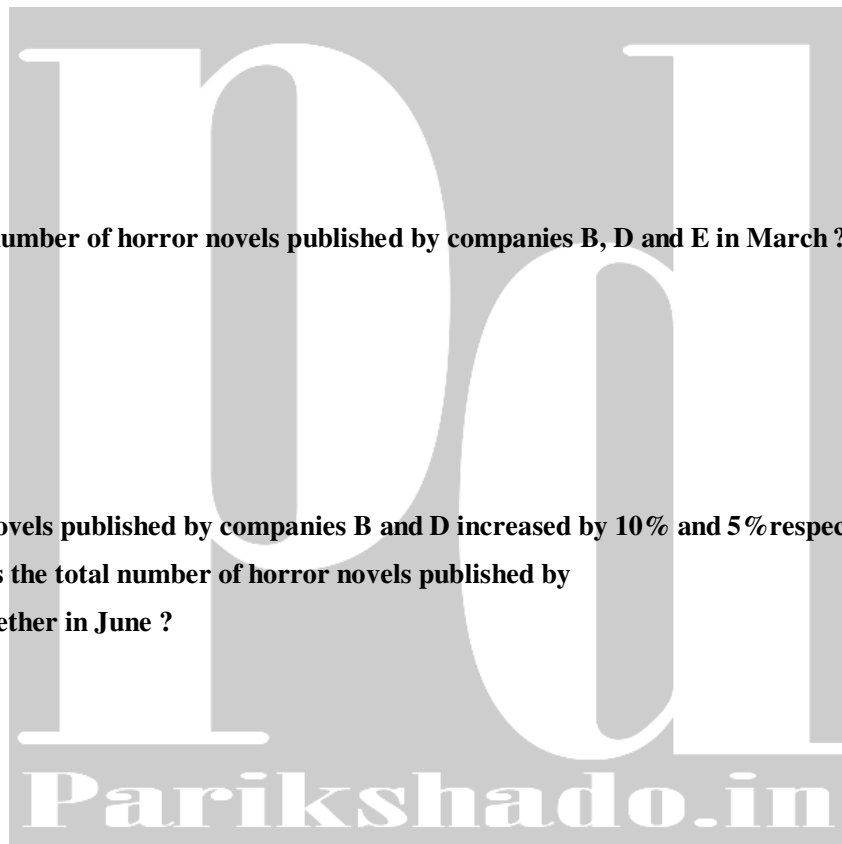
10. Number of horror novels published by companies B and D increased by 10% and 5% respectively from May to June. What is the total number of horror novels published by companies B and D together in June ?

- (1) 211
- (2) 213
- (3) 205
- (4) 197
- (5) 209

Directions (11-20) : What approximate value will come in place of question mark (?) in the given questions ? (You are not expected to calculate the exact value.

11. $10^2 - 162 \times 1\frac{1}{3} = 28^2$

- (1) 3
- (2) 1
- (3) 5



(4) 2

(5) 4

12. $(29.55 + 95.45) \times ? = 150$

(1) 0.18

(2) 1.2

(3) 1.4

(4) 1.6

(5) 2

13. $\sqrt{?} \div 5 = 220 - 6^3$

(1) 484

(2) 500

(3) 400

(4) 676

(5) 625

14. $140\% \text{ of } 80 + ? - 23 = 100$

(1) 17

(2) 15

(3) 13

(4) 19

(5) 11

15.

$$\frac{1}{5} + \frac{2}{15} + ? + \frac{1}{6} = 1\frac{1}{6}$$

(1) $\frac{3}{5}$

(2) $\frac{2}{5}$

(3) 1

(4) $\frac{5}{6}$

(5) $\frac{2}{3}$

16. $2 \times 4.5 + 12 \times 1.5 = ?$

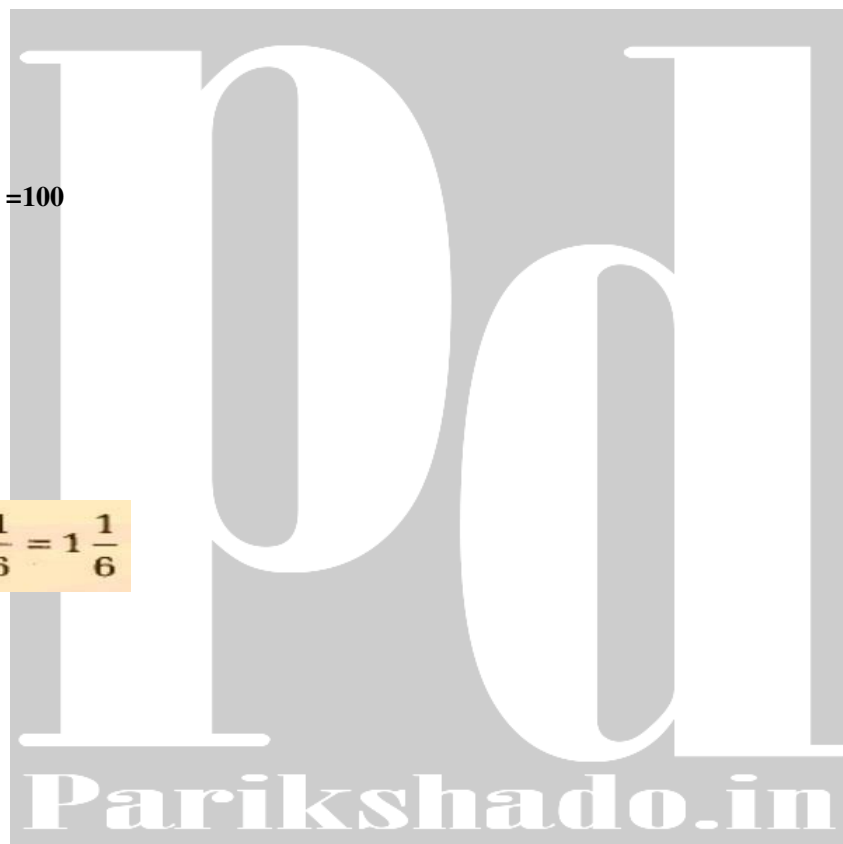
(1) 24

(2) 21

(3) 27

(4) 12

(5) 17



17.

$$\sqrt{\frac{2.76 \times 3}{2.3 \times 2.5}} = ?$$

- (1) 2.4
- (2) 1.4
- (3) 0.9
- (4) 1.2
- (5) 0.8

18.

$$4\frac{1}{3} + 4\frac{1}{5} \times 2\frac{7}{9} = ?$$

- (1) 16
- (2) 19 $\frac{1}{5}$
- (3) 18 $\frac{1}{3}$
- (4) 15 $\frac{2}{3}$
- (5) 12 $\frac{2}{3}$

19. 70% of 20% of 240 = ?

- (1) 34.2
- (2) 32.6
- (3) 33.2
- (4) 36.4
- (5) 33.6

20.

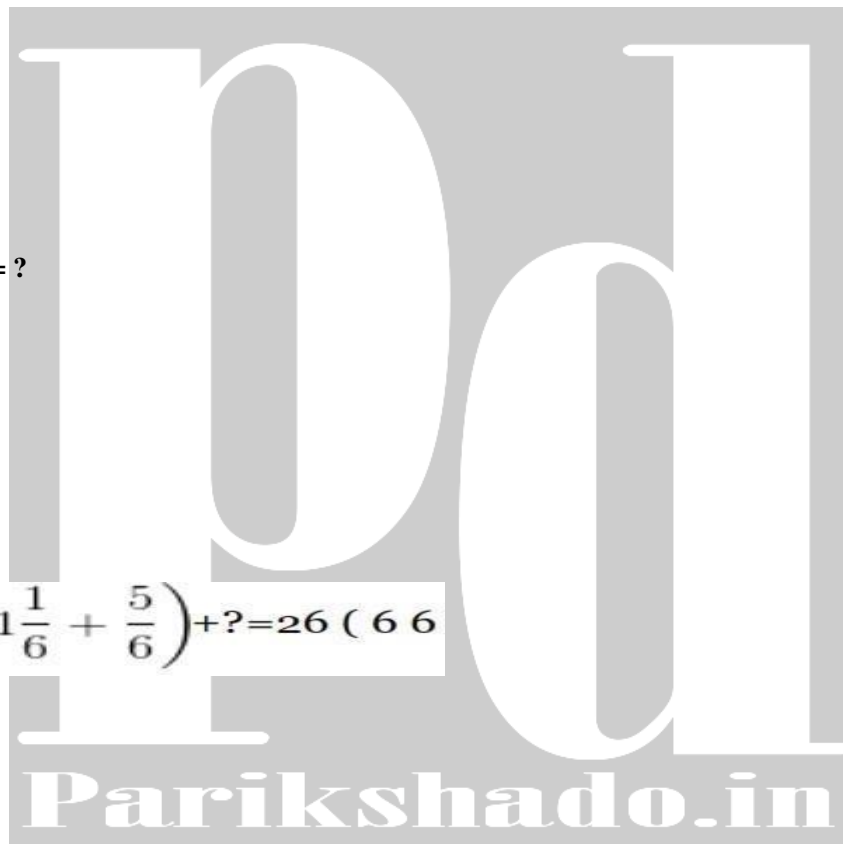
$$120\% \text{ of } \left(11\frac{1}{6} + \frac{5}{6} \right) + ? = 26 \text{ (6 6)}$$

- (1) 11.2
- (2) 9.4
- (3) 21.4
- (4) 9.6
- (5) 11.6

Directions (21-25) : What will come in place of question mark (?) in the given number series ?

21. 8 ? 16 48 192 960

- (1) 16
- (2) 10
- (3) 12



(4) 14

(5) 8

22. 16.8 16.85 16.75 16.9 16.7 ?

(1) 17.5

(2) 17.25

(3) 16.95

(4) 16.25

(5) 18.85

23. 8 20 35 54 78 ?

(1) 114

(2) 169

(3) 108

(4) 123

(5) 136

24. 16 ? 32 16 4 0.5

(1) 28

(2) 20

(3) 24

(4) 32

(5) 18

25. 63 72 97 146 227 ?

(1) 263

(2) 466

(3) 348

(4) 329

(5) 384

26. Jar A has 'x' ml mixture of milk and water, of which 40% is water. Jar B also has mixture of milk and water, of which 20% is water. The quantity of mixture in Jar B is twice that of Jar A. If the content of Jar B is emptied into Jar A completely and the resultant quantity of milk in Jar A is 198 ml, what is the value of 'x' ?

(1) 45

(2) 90

(3) 85

(4) 95

(5) 65

27. A and B start a business together with an investment of Rs. 3,000/and Rs. 6,000/- respectively. At the end of six months from the start of the business, B withdrew half of his investment. If at the end of the year, B's share from the total profit earned was Rs. 3,750/- , what was the total profit earned ?

- (1) Rs. 5,750/
- (2) Rs. 6,250/
- (3) Rs. 6,500/
- (4) Rs. 6,400
- (5) None of these

28. In a village, 64% of the total population are literates. The respective ratio of literate male and female is 3 : 1 and the respective ratio of illiterate male and female is 5 : 4.

What is the respective ratio of literate male and illiterate male in the village ?

- (1) 12 : 5
- (2) 9 : 4
- (3) 8 : 5
- (4) 11 : 5
- (5) 13 : 7

29. A certain sum P when invested for four years at the rate of 10% p.a. simple interest, amounts to 22,960/. What will be the interest earned when (P + 600)is invested in the same rate of simple interest p.a. for four years ?

- (1) 6,400/
- (2) 6,800/
- (3) 6,500/
- (4) 6,600'
- (5) 6,900/

30. When onesixth of a number x, is added to 117, it becomes equal to y^2 . If onefifth of y is equal to 2.2, what is the value of x ?

- (1) 24
- (2) 22
- (3) 28
- (4) 30
- (5) 32

31. A, B and C can independently finish a piece of work in 18 days, 'x' days and 27 days respectively. A and C started working together and after 6 days B replaced both of them. If B could finish the remaining work in 16 days, what is the value of 'x' ?

- (1) 32
- (2) 36
- (3) 34
- (4) 40
- (5) None of these

32. The floor of a square hall is tiled completely with forty-nine square shaped tiles. If the side of each tile measures 2 m, what was the perimeter of the hall ? (in m)

- (1) 112
- (2) 96
- (3) 72
- (4) 56
- (5) 60

33. The present age of a father is equal to the sum of his son's and wife's present ages. The respective ratio between the present ages of his wife and son is 8 : 1 and the difference between his wife's and son's present ages is 28 years, what will be father's age after 4 years ? (in years)

- (1) 36
- (2) 38
- (3) 40
- (4) 44
- (5) 48

34. A shopkeeper sold first unit of an article to Aria at 20% discount and the second unit of the same article at 40% discount. If the shopkeeper earned an overall profit of 5%, the marked price of the article was what percent of the cost price of the article ?

- (1) 200
- (2) 150
- (3) 125
- (4) 160
- (5) 120

35. The time taken by a boat to travel 'x' km upstream is twice the time taken by the same boat to travel 'x' km downstream. If speed of the boat in still water is 12 km/h, what is the speed of current ? (in km/h)

- (1) 3
- (2) 4
- (3) 3.5
- (4) 4.5
- (5) None of these

