

SBI Clerk Prelims Memory Based Paper (Based on 29th Feb)

Directions (31–40): Find the value of 'x' in the following questions.

Q31. $x\%$ of $800 + 348 = 980$

- (a) 81
- (b) 76
- (c) 83
- (d) 79
- (e) 73

Q32. $9^2 - 7^2 + 67 = x + 4^3$

- (a) 43
- (b) 39
- (c) 33
- (d) 47
- (e) 35

Q33. $\frac{1}{7}$ of $343 - 25\%$ of $100 = \frac{x}{8}$ of 24

- (a) 24
- (b) 8
- (c) 1
- (d) 16
- (e) 32

Q34. $9870 + 8790 + 6552 - x = 9552$

- (a) 15660
- (b) 15860
- (c) 15460
- (d) 15640
- (e) 15606

Q35. $44 \times 50\%$ of $70 - 289 \div 17 \times 2 = x$

- (a) 1504
- (b) 1508
- (c) 1506
- (d) 1510
- (e) 1502



BILINGUAL

A circular inset image showing four men, likely Adda247 staff, wearing black shirts with the Adda247 logo.

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Q36. $18 + 512 - 128 + x^2 = 802$

- (a) 22
- (b) 20
- (c) 16
- (d) 24
- (e) 18

Q37. $\sqrt{9^2 + 11^2} - 6 = x \times 56 \div 8$

- (a) 8
- (b) $\frac{7}{4}$
- (c) 14
- (d) 4
- (e) 2

Q38. $80\% \text{ of } x - 50\% \text{ of } 400 = 600$

- (a) 960
- (b) 880
- (c) 800
- (d) 1000
- (e) 500

Q39. $(x^2 + 4)^2 = 8x^2 + 97$

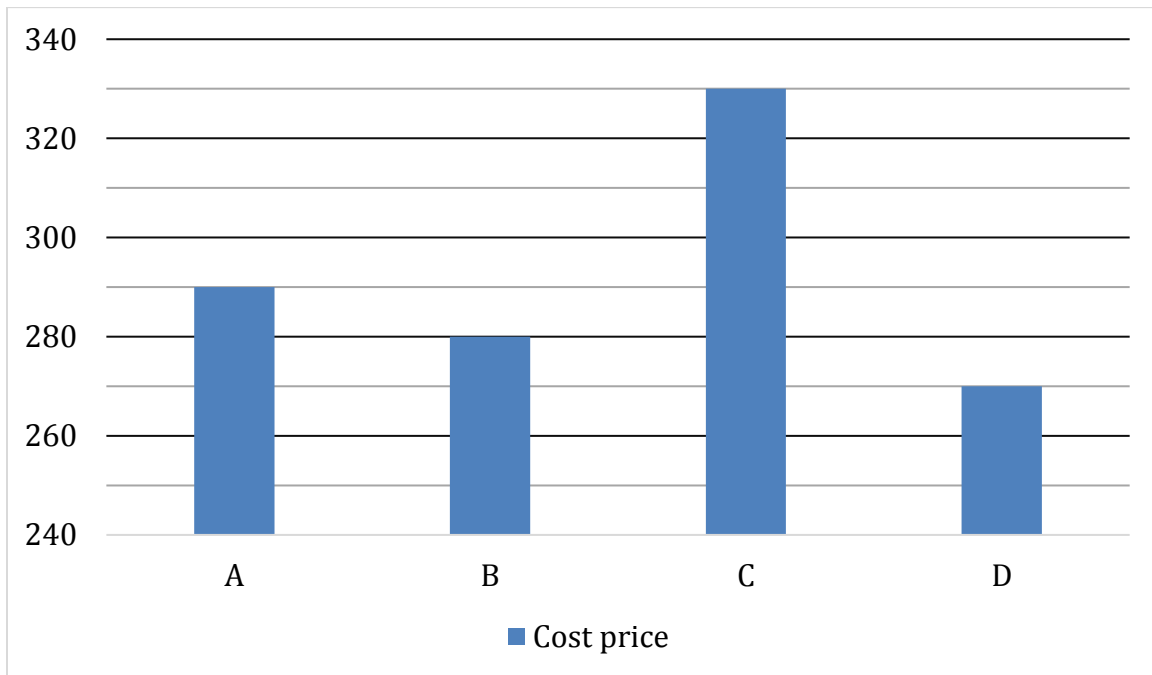
- (a) 3
- (b) 9
- (c) 1
- (d) 27
- (e) 18

Q40. $1\frac{2}{7} - 3\frac{4}{7} + 18\frac{1}{2} = \frac{x}{7} + 15\frac{1}{2}$

- (a) 7
- (b) 5
- (c) $\frac{5}{7}$
- (d) $\frac{1}{5}$
- (e) 6



Direction (41-45): Read the given information carefully and answer the following questions. The following bar graph shows the cost price (in Rs.) of four different products in 2014.



Q41. Find the difference between sum of cost price of products A and B together and that of C and D together?

- (a) Rs 20
- (b) Rs 30
- (c) Rs 10
- (d) Rs 40
- (e) Rs 25

Q42. Find the ratio of sum of cost price of B and D together to the cost price of C?

- (a) 6: 5
- (b) 8: 5
- (c) 4: 3
- (d) 3: 2
- (e) 5: 3

Q43. If the cost price of product B is increased by 25% in 2015 with respect to that of in 2014 then find the increment in the cost price of B?

- (a) Rs 90
- (b) Rs 80
- (c) Rs 60
- (d) Rs 70
- (e) Rs 50

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Q44. Sum of cost price of products A and C together is approximately what percent more than the cost price of product D?

- (a) 130%
- (b) 135%
- (c) 125%
- (d) 128%
- (e) 132%

Q45. Average of the cost price of products B and C is how much more or less than the average of the cost price of products A and D?

- (a) Rs 20
- (b) Rs 30
- (c) Rs 15
- (d) Rs 35
- (e) Rs 25

Q46. Area of a square is equal to the area of a rectangle and length of the rectangle is 8 cm more than the side of the square. Find the perimeter of the rectangle if the breadth of the rectangle is 6 cm less than the side of the square?

- (a) 110 cm
- (b) 100 cm
- (c) 120 cm
- (d) 80 cm
- (e) 90 cm

Q47. There are some students in the class and number of chocolates received by each student is one-sixths of the total students in the class. If the number of students in the class becomes one-third then each student gets 27 chocolates. Find the total number of chocolates distributed in the class?

- (a) 477
- (b) 486
- (c) 496
- (d) 474
- (e) 498

Q48. Two trains running at 93 km/h and 57 km/h respectively in same direction cross each other in 18 seconds then find the time taken to cross each other when running in opposite directions?

- (a) $4\frac{8}{25}$ sec
- (b) $4\frac{2}{25}$ sec
- (c) $5\frac{3}{25}$ sec
- (d) $4\frac{4}{25}$ sec
- (e) $4\frac{1}{25}$ sec

Q49. A and B entered into a partnership by investing Rs 10800 and Rs 18900 respectively. After 6 months, C joined them with an amount of Rs 16200 and at the end of the year profit share of C is Rs 21000 then find the total profit?

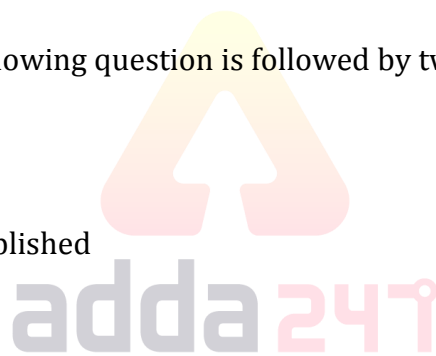
- (a) Rs 112000
- (b) Rs 84000
- (c) Rs 105000
- (d) Rs 91000
- (e) Rs 98000

Q50. Five years ago, age of A's mother is 3.5 times of the age of A at that time and 10 years hence ratio of age of A's mother to that of A is 2:1. Find the sum of present age of A and his mother?

- (a) 65 years
- (b) 50 years
- (c) 55 years
- (d) 45 years
- (e) 40 years

Directions (51–55): Each of the following question is followed by two equations I & II which you have to solve and mark answer accordingly.

- (a) if $x \leq y$
- (b) if $x > y$
- (c) if $x = y$ or no relation can be established
- (d) if $x < y$
- (e) if $x \geq y$



Q51. I. $4x^2 + 8x + 3 = 0$

II. $2y^2 + 3y + 1 = 0$

Q52. I. $16x^2 + 16x + 3 = 0$

II. $9y^2 + 27y + 20 = 0$

Q53. I. $9x^2 - 9x + 2 = 0$

II. $9y^2 - 18y + 8 = 0$

Q54. I. $49x^2 + 14x - 3 = 0$

II. $49y^2 + 56y + 15 = 0$

Q55. I. $x^3 = 512$

II. $2y^2 = 128$

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Q56. Amount received on a certain sum when compounded annually for 2 years at R% per annum is Rs 6480 and that of in three years at the same rate of interest is Rs 7776. Find the sum?

- (a) Rs 4000
- (b) Rs 4500
- (c) Rs 4800
- (d) Rs 5000
- (e) None of these

Q57. A alone can do a work in 40 days and ratio of efficiency of B to that of A is 5: 4. If A started and worked for 15 days and left then in how many days will B do the remaining work?

- (a) 18 days
- (b) 24 days
- (c) 20 days
- (d) 25 days
- (e) 15 days

Q58. In an election of two candidates, 15% of votes cast were declared invalid. The winner got 60% of the valid votes and defeats the loser by 1700 votes. How many votes were cast in total?

- (a) 10000 votes
- (b) 9000 votes
- (c) 12000 votes
- (d) 11000 votes
- (e) 8800 votes

Q59. In an alloy 'A', zinc & copper is in the ratio of 1 : 1. In the second alloy 'B', the same element are in the ratio 3 : 5. If these two alloys mixed to form a new alloy in which zinc and copper is in the ratio 2 : 3, find the ratio in which alloy 'A' and alloy 'B' are mixed?

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

Q60. A sells his watch at 20% profit to B while B sales it to C at a loss of 15%. If C pays Rs. 2550. Find at what price A sold watch to B?

- (a) Rs. 2900
- (b) Rs. 3200
- (c) Rs. 3600
- (d) Rs. 3000
- (e) Rs. 2800

Directions (61- 65): What should come in place of question mark (?) in the following series questions?

Q61. 13, 22, 36, 60, 99, ?

- (a) 153
- (b) 148
- (c) 168
- (d) 158
- (e) 143

Q62. 5, 16, 49, 148, 445, ?

- (a) 1336
- (b) 1329
- (c) 1339
- (d) 1335
- (e) 1325

Q63. 6, 4, 5, 8.5, ?, 46

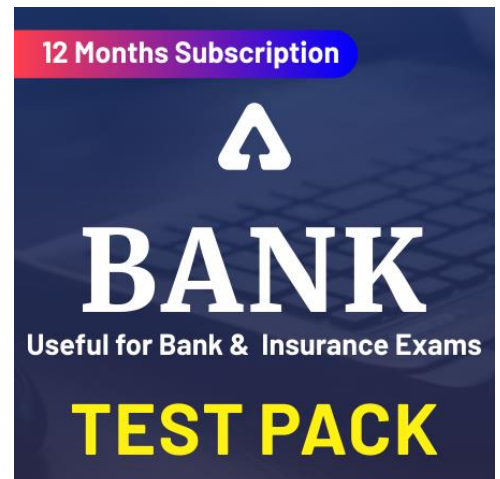
- (a) 17
- (b) 18
- (c) 13.75
- (d) 22.25
- (e) 15.75

Q64. 4, 13, 31, 67, ?, 283

- (a) 159
- (b) 148
- (c) 115
- (d) 175
- (e) 139

Q65. 16, 24, 88, 304, 816, ?

- (a) 1328
- (b) 1545
- (c) 1816
- (d) 2147
- (e) 2600



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