

SBI PO Previous Year Paper : Quant (Prelims 2019 Memory Based)

Are you preparing for any Banking exams like IBPS / SBI PO, Clerk or any other one, then you should definitely give mocks and analyze your performance on a regular basis. Taking mock tests will help you in multiple ways. You will get used to the pattern and level of the questions asked in exam. You will identify the important topics as well as the topics where you are weak at. You will build stamina and concentration and above all, develop a smart strategy to take the exam. So, once you finish the whole syllabus, take as many mock tests as possible and improve your weak areas and overall test-taking strategy. And to assist you for the preparation, [Takshila Learning](http://www.takshilalearning.com) is providing the memory based paper with solutions PDF.

We would recommend all the aspirants to go through this memory based paper of SBI PO 2019 Prelims exam and judge on your own how to attempt the examination in the best way possible on the D-day. And when you have a fair idea of all your strengths and weaknesses, you can surely bring the house down.

Q36. Four years hence, sum of ages of A and B will be 16 years more than the sum of present age of B and C. Four years ago, sum of age of A and C is 32 years then find the present age of C?

- (a) 24 years
- (b) 20 years
- (c) 12 years
- (d) 16 years
- (e) 18 years

Q37. A person purchased two articles at the same price and on selling the first article he makes a profit of 12%. Selling price of second article is Rs 90 more than the selling price of the first article. Find the cost price of one article if his overall profit percent is 15%?

- (a) Rs 1800
- (b) Rs 1500
- (c) Rs 2000
- (d) Rs 2400
- (e) None of these

Q38. Ratio of speed of boat in still water to the speed of current is 10:1. Ratio of time taken by the boat to cover D km in downstream to the time taken by the boat to cover (D-45) km in upstream is 3:2. Then find the value of D?

- (a) 60 km
- (b) 87 km
- (c) 99 km
- (d) 108 km
- (e) 90 km

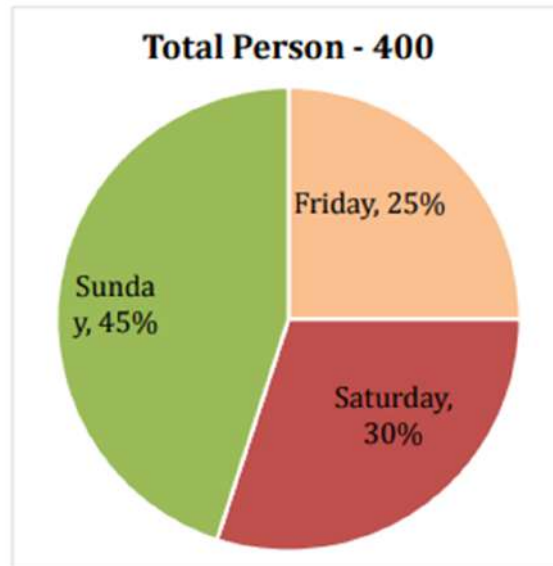
Q39. A container contains a mixture of milk and water in which water is 24%. 50% of the mixture is taken out in which water is 78 litre less than the milk. Find the remaining quantity of milk in that container?

- (a) 171 litres
- (b) 152 litres
- (c) 133 litres
- (d) 108 litres
- (e) 114 litres

Q40. The perimeter of a triangle is equal to perimeter of a rectangle. Length of rectangle is 75% of side of a square and ratio of length to breadth of rectangle is 3: 2. If difference between perimeter of square and that of rectangle is 36 cm, then find perimeter of triangle?

- (a) 60 cm
- (b) 48 cm
- (c) 72 cm
- (d) 80 cm
- (e) 96 cm

Direction (41-45) Given below is the pie chart which shows the number of persons visiting a national park on different days and table shows the ratio of male to female visiting these parks.



Days	Male : Female
Friday	2 : 3
Saturday	5 : 7
Sunday	5 : 4

Q41. If on Monday number of males who visited national park is increased by 20% over males visiting national park on Saturday and Females visiting national park on Monday is $33\frac{1}{3}\%$ more than females visiting on Friday then, find the total persons visiting national park on Monday.

- (a) 145
- (b) 165
- (c) 140
- (d) 160
- (e) 150

Q42. Total females visiting national park on Sunday and Saturday together are what percent more or less than total male visiting national park on Friday and Sunday together.

- (a) $33 \frac{1}{3} \%$
- (b) $14 \frac{2}{7} \%$
- (c) $16 \frac{2}{3} \%$
- (d) $14 \frac{1}{7} \%$
- (e) $7 \frac{1}{7} \%$

43. What is the average of males visiting national park on all these days?

- (a) $63 \frac{1}{3}$
- (b) $65 \frac{2}{3}$
- (c) $49 \frac{2}{3}$
- (d) $45 \frac{1}{3}$
- (e) $66 \frac{2}{3}$

Q44. If cost of ticket per male and per female on any day is Rs 45 and Rs 40 respectively then total amount obtained by national park on Friday is how much more or less than total amount obtained by national park on Sunday (in Rs).

- (a) 2800
- (b) 3500
- (c) 3000
- (d) 3200
- (e) 4200

Q45. What is the ratio of males visiting park on Friday to females visiting park on Saturday?

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

(e) 7: 4

Directions (46–50): Solve the given quadratic equations and mark the correct option based on your answer.

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

Q46. I. $x^2 - 14x + 45 = 0$ II. $y^2 - 18y + 72 = 0$

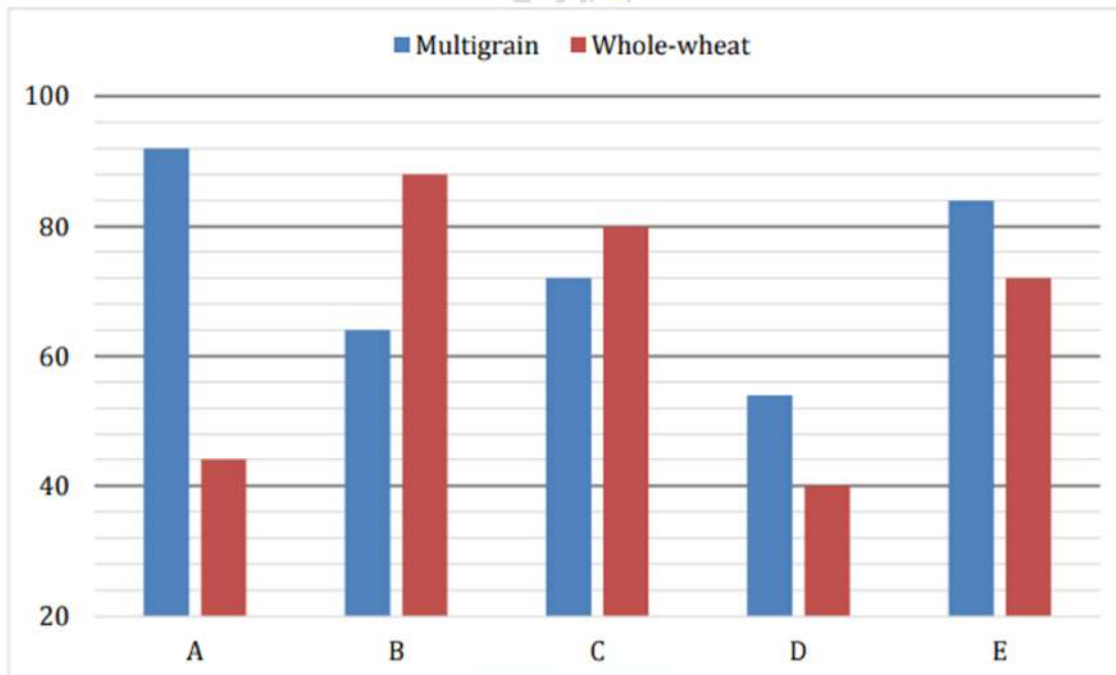
Q47. I. $x^2 + 7x + 12 = 0$ II. $y^2 + 9y + 20 = 0$

Q48. I. $4x^2 - 7x + 3 = 0$ II. $7y^2 - 17y + 6 = 0$

Q49. I. $2x^2 - 19x + 45 = 0$ II. $2y^2 - 9y + 4 = 0$

Q50. I. $x^2 = 144$ II. $(y + 12)^2 = 0$

Directions (51-55):- Study the bar-graph given below carefully and answer the questions. Bar-graph given below shows the number of packets of flour sold by five stores of two types i.e. multigrain and whole-wheat.



Q51. Total number of packets sold by store C is approximately what percent more or less than number of packets sold by store E?

(a) 3%

- (b) 5%
- (c) 12%
- (d) 23%
- (e) 17%

Q52. What is the ratio of number of packets sold of multigrain by store A and D together to number of packets sold of whole-wheat by store A and E together?

- (a) 2: 1
- (b) 73: 58
- (c) 43: 41
- (d) 41: 23
- (e) None of these

Q53. Multigrain packets sold by store A and B together is what percent more or less than Whole-wheat packets sold by store C and D together?

- (a) 25%
- (b) 20%
- (c) 30%
- (d) None of these
- (e) 35%

Q54. If another store F sold number of multigrain packets which is average of number of multigrain packets sold by store C, D and E and number of whole-wheat packets sold is average of number of whole-wheat packets sold by store A and E. If store B sold each packet at Rs 240 and store F sold each packet at 20% more than that of B then find total price collected by store F?

- (a) Rs 24246
- (b) Rs 28246
- (c) None of these

(d) Rs 36864

(e) Rs 32863

Q55. What is the difference of total number of multigrain packets sold by all store together and number of whole-wheat packets sold by all store together?

(a) 48

(b) 54

(c) 42

(d) 36

(e) 24

Directions (56-60): What will come in place of (?) in the following number series problems?

Q56. 200, 197, 185, 163, 130, ?

(a) 95

(b) 85

(c) 105

(d) 86

(e) 84

Q57. 15, 8, 9, 15, 32, ?

(a) 98

(b) 66

(c) 80.5

(d) 82.5

(e) 84.5

Q58. 5, 30, 150, 600, ?

- (a) 1200
- (b) 1500
- (c) 2400
- (d) 1800
- (e) 600

Q59. 222, 110, 54, 26, ?

- (a) 10
- (b) 12
- (c) 8
- (d) 6
- (e) 14

Q60. 104, ?, 96, 120, 88, 128

- (a) 112
- (b) 96
- (c) 116
- (d) 120
- (e) 92

Q61. A invested Rs. X in a scheme. After 6 months, B joined with Rs. 4000 more than that of A. After a year, ratio of profit of B to the total profit was 3: 7. Find the value of X.

- (a) 4000
- (b) 8000
- (c) 1600
- (d) 6000
- (e) 10000

Q62. 1500 rupees is invested in a scheme A at $R\%$ p.a. simple interest. Another amount $(1500 - x)$ is invested in scheme B at $2R\%$ p.a. simple interest. After 4 years, interest earned from scheme A is 25% less than that of scheme B. Find x .

- (a) 500
- (b) 600
- (c) 900
- (d) 1000
- (e) 1200

Q63. 40 men can complete a work in 48 days. 64 men started for the same work for x days. After x days, 32 men increased. So, the remaining work is completed in $16\frac{2}{3}$ days. Find x .

- (a) 5
- (b) 8
- (c) 10
- (d) 6
- (e) None of these

Q64. If perimeter of the base of a cylinder is 66 cm. Then find volume of cylinder if height of cylinder is 0.04 m.

- (a) 1111 cm^3
- (b) 1386 cm^3
- (c) 2046 cm^3
- (d) 1186 cm^3
- (e) 2002 cm^3

Q65. A 175 meters long train 'P' passed a pole in 8.75 sec. Train 'P' passed an another train 'Q' travelling in a direction opposite to 'P' in $60/7$ sec. If length of train 'Q' is 225

meter, then in what time train 'Q' will pass train 'P' when they both runs in same direction?

- (a) 55 sec
- (b) 50 sec
- (c) 45 sec
- (d) 60 sec
- (e) 35 sec

Directions (66-70): Study the given information carefully and answer the questions that follow:-

3 pizza shops A, B and C sells veg pizza and non veg pizza. Respective ratio between number of vegetarian and non-vegetarian pizzas sold by pizza shop A was 9: 7 and that sold by pizza shop B was 3: 4. The no. of pizzas (Veg + non veg) sold by pizza shop C was 108 and respective ratio between number of vegetarian and non-vegetarian pizza sold by pizza shop C was 7 : 5 Total number of pizza sold by all three pizza shop was 376. Number of veg pizza sold by pizza shop A was 20% more than the veg pizza sold by pizza shop B.

Q66. If cost of each veg pizza and each non-veg pizza sold by shop B is Rs 200 and Rs 300 respectively then find the total amount obtained by shop B (in Rs).

- (a) 40,000
- (b) 36,000
- (c) 48,000
- (d) 32,000
- (e) 44,000

Q67. What is the ratio of veg pizza sold by shop A & C together to the non-veg pizza sold by shop B & C together?

- (a) 27: 25
- (b) 27: 29
- (c) 29: 27
- (d) 25: 27

(e) 23: 25

Q68. What is the average of veg pizza sold by all shops?

(a) 61

(b) 68

(c) 62

(d) 60

(e) 65

Q69. Total veg pizzas sold by Shop A and C are what percent of total non-veg pizza sold by shop B & C?

(a) 113%

(b) 108%

(c) 109%

(d) 112%

(e) 116%

Q70. If Veg pizza sold by shop B is increased by $33\frac{1}{3}\%$ and non-veg pizza sold by shop A is increased by 75% then what is the sum of veg pizza sold by B and non-veg pizza sold by A after increment.

(a) 178

(b) 186

(c) 198

(d) 200

(e) 182

Solutions:

S36. Ans. (d)

S37. Ans. (b)

S38. Ans. (c)

S39. Ans. (e)

S40. Ans. (a)

S41. Ans. (c)

S42. Ans. (e)

S43. Ans. (a)

S44. Ans. (b)

S45. Ans. (d)

S46. Ans. (e)

S47. Ans. (b)

S48. Ans. (e)

S49. Ans. (a)

S50. Ans. (b)

S51. Ans. (a)

S52. Ans. (b)

S53. Ans. (c)

S54. Ans. (d)

S55. Ans. (c)

S56. Ans. (b)

S57. Ans. (d)

S58. Ans. (d)

S59. Ans. (b)

S60. Ans. (a)

S61. Ans. (b)

S62. Ans. (a)

S63. Ans. (a)



S64. Ans. (b)

S65. Ans. (d)

S66. Ans. (b)

S67. Ans. (a)

S68. Ans. (e)

S69. Ans. (b)

S70. Ans. (a)

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