

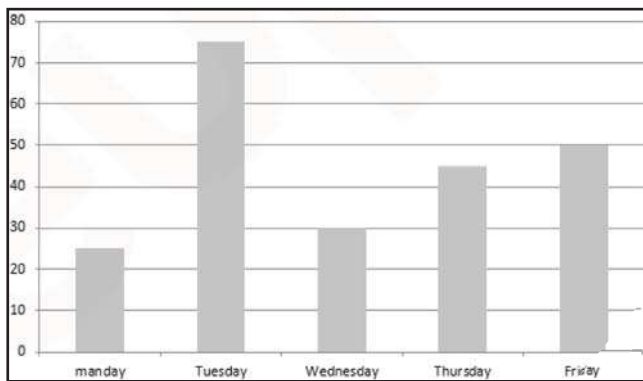
**Memory Based
Paper of
SBI PO Prelims
2018**

Quantitative Aptitude

Memory Based Quantitative Aptitude Paper for SBI PO Prelims 2018

Directions (1-5): Bar graph given below shows pens sold by a retailer on five different days. Study the data carefully and answer the following questions.

Pen sold on different days



1. Out of total pens sold on Tuesday ratio between total defective pens sold to total pens sold is 7: 15. Find total number of non-defective pens sold on Tuesday by retailer?

- (a) 40
- (b) 15
- (c) 60
- (d) 45
- (e) 90

2. Total number of pens sold on Saturday is 40% more than total number of pens sold on Wednesday. Find total number of pens sold on Friday and Saturday together?

- (a) 92
- (b) 122
- (c) 172
- (d) 125
- (e) 105

3. Find the difference between total number of pens sold on Monday and Tuesday together to total number of pens sold on Thursday and Friday together?

- (a) 25
- (b) 40
- (c) 5

- (d) 22
- (e) 10

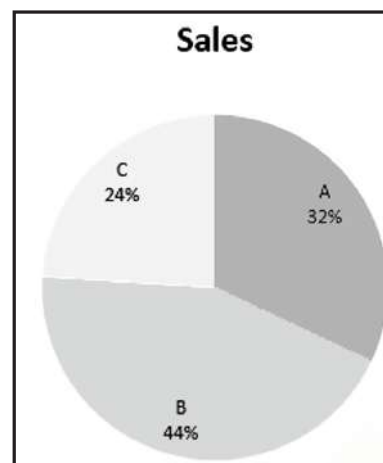
4. Total number of pens sold on Tuesday is 25% more than total number of pens sold on Sunday. Find total of pens sold on Sunday?

- (a) 72
- (b) 60
- (c) 94
- (d) 43
- (e) 75

5. Out of the total pens sold on Thursday, 20% are blue ink pen. Out of remaining 25% are red ink pen and remaining are black in pen. Find total number of blue and black in pen. Find total no. of blue and black ink pen sold on Thursday?

- (a) 36
- (b) 46
- (c) 56
- (d) 66
- (e) 55

Direction (6-10): Pie chart given below shows total number of workers in three different companies. Table given below shows ratio between officers and workers working in these companies. Study the data carefully and answer the following questions



Company	Officers: Workers
A	1 : 16
B	1 : 18
C	1 : 12

Note: total employees = officers + workers

6. Find the difference between total number of workers in company 'A' and total number of workers in company 'B' and 'C' together?

- (a) 324
- (b) 423
- (c) 523
- (d) 624
- (e) 124

7. Total number of employees in company 'B' is how much more than total number of employees in company 'C'.

- (a) 184
- (b) 176
- (c) 225
- (d) 265
- (e) 125

8. Total number of officers in company 'A' is how much less than total number of officers in company 'B'?

- (a) 1
- (b) 7
- (c) 9
- (d) 4
- (e) 8

9. Find the ratio between total number of workers in company A and C together to total number of officers in company A and C together?

- (a) 17: 1
- (b) 12: 7
- (c) 14: 1
- (d) 18: 1
- (e) 22: 3

10. Total number of officers and workers in company D is 50% and 25% more than total number of officers and workers in company 'C' respectively. Find total number of employees in company 'D'?

- (a) 297
- (b) 279

- (c) 972
- (d) 927
- (e) 227

11. Quantity I. ' x ' : $x^2 + x - 6 = 0$
Quantity II. ' y ' : $y^2 + 7y + 12 = 0$

- (a) Quantity I > Quantity II
- (b) Quantity I < Quantity II
- (c) Quantity I \geq Quantity II
- (d) Quantity I \leq Quantity II
- (e) Quantity I = Quantity II or No relation

12. A's efficiency is 25% more than B

Quantity I – ' x ' : A can do 56th of total work in ' x ' days

Quantity II – ' y ' : B can do 45 th of total work in ' y ' days

- (a) Quantity I > Quantity II
- (b) Quantity I < Quantity II
- (c) Quantity I \geq Quantity II
- (d) Quantity I \leq Quantity II
- (e) Quantity I = Quantity II or No relation

13. Sum of 8 consecutive even number is S1.

Quantity I – Sum of second number and eight number in S1

Quantity II – Sum of third number and sixth number in S1

- (a) Quantity I > Quantity II
- (b) Quantity I < Quantity II
- (c) Quantity I \geq Quantity II
- (d) Quantity I \leq Quantity II
- (e) Quantity I = Quantity II or No relation

14. An article is sold at Rs. 1500 after allowing discount of 12.5% on Marked price.

Quantity I –Rs.550

Quantity II –Mark price of article.

- (a) Quantity I > Quantity II
- (b) Quantity I < Quantity II
- (c) Quantity I \geq Quantity II
- (d) Quantity I \leq Quantity II
- (e) Quantity I = Quantity II or No relation

15. If a speed of boat is 500% more than the speed of a current.

Quantity I –' x ' : If boat can travel a distance of 63 km in 3 hr, in downstream then ' x ' is the speed of the boat in upstream (km/hr).

Quantity II – 15 km/hr

- (a) Quantity I > Quantity II
- (b) Quantity I < Quantity II

- (c) Quantity I \geq Quantity II
- (d) Quantity I \leq Quantity II
- (e) Quantity I = Quantity II or No relation

Direction (16-20): What number is wrong according to given number series pattern: –

16. 1, 3, 9, 31, 128, 651, 3913

- (a) 9
- (b) 1
- (c) 128
- (d) 31
- (e) 3913

17. 291, 147, 75, 39, 22, 12, 7.5

- (a) 22
- (b) 291
- (c) 147
- (d) 75
- (e) 7.5

18. 26, 27, 34, 58, 106, 186, 306

- (a) 26
- (b) 34
- (c) 58
- (d) 106
- (e) 27

19. 5.9, 6, 6.1, 6.4, 7.9, 18.5, 112.9

- (a) 6
- (b) 5.9
- (c) 6.1
- (d) 18.5
- (e) 112.9

20. 330, 80, 280, 120, 250, 130, 240

- (a) 330
- (b) 130
- (c) 280
- (d) 240
- (e) 80

21. A watercraft goes downstream from one point to another in 19 hours. It covers the same distance upstream in 23 hours. If the speed of the stream is 2 kmph, then find the distance between the two points?

- (a) 323 km
- (b) 437 km
- (c) 399 Km

- (d) 441 km
- (e) Cannot be determined

22. A van starts with the speed of 60 kmph with its speed increasing every three hours by 10 kmph. In how many hours will it cover 470 km?

- (a) 3 hours
- (b) 4 hours
- (c) 5 hours
- (d) 6 hours
- (e) 7 hours

23. Ravi sells 3 different files, first at profit 20%, second at 25% loss and third at 10% loss. During the whole transaction he bears the loss of Rs.120, find the cost price of first file if their SP is same?

- (a) Rs. 260
- (b) Rs. 120
- (c) Rs. 360
- (d) Rs. 480
- (e) Cannot be determined

24. The CI on a certain sum for 2 years is Rs. 1512 and SI is Rs.1440. If the sum is invested such that the SI is Rs. 2592 and the number of years is equal to the rate of interest per annum, then find the rate?

- (a) 4%
- (b) 5%
- (c) 8%
- (d) 6%
- (e) Cannot be determined

25. 40 staffs can complete a job in 46 days. After 40 days, some more staffs joined and the job was completed 2 days earlier. How many new staffs joined?

- (a) 14
- (b) 15
- (c) 11
- (d) 18
- (e) 20

Directions(26-30): Study the following information and answer the questions given below In a school, there are 700 students. All of them are divided into five different Batches namely viz., Jasmine, Rose, Sunflower, Lotus and Lily. The number of girls is 12 less than the number of boys in school. One fourth of the total number of students in that school are in

Sunflower. 16% of the total number of students in that school are in Jasmine. Lily have 28 more students than in Jasmine. The respective ratio between the number of girls and boys in Jasmine is 1:3. Number of students in Lotus is 11 more than the number of students in Jasmine. There are equal number of boys and girls in Lily. 44% of the number of students in Rose are boys. Two-third of the students in Lotus are girls.

26. What is the respective ratio between the number of students in Rose and the number of students in Lotus?

- (a) 41:50
- (b) 50:43
- (c) 43:50
- (d) 50:41
- (e) None of these

27. Total number of girls In Jasmine and Lotus together are how many more/less than the total number of boys in Rose and Sunflower together?

- (a) 50
- (b) 61
- (c) 48
- (d) 71
- (e) None of these

28. What is the respective ratio between the number of girls in Rose and the number of boys in Lily?

- (a) 7:6
- (b) 6:5
- (c) 5:6
- (d) 6:7
- (e) None of these

29. Number of boys in Sunflower is approximately what percentage of the total number of girls in the school?

- (a) 28%
- (b) 21%
- (c) 35%
- (d) 72%
- (e) None of these

30. What is the total number of students in Jasmine, Sunflower and Lotus together?

- (a) 409
- (b) 420
- (c) 410
- (d) 459
- (e) None of these
