Bipin Nambiar
(SBI PO 2018)
Shiraz Khan
(SBI Clerk 2018)
Kuldeep Yadav
(SBI PO 2018)
Rajat Saxena
(IBPS Clerk 2018)
Anupam Tyagi
(IBPS PO 2018)
FRIENDS!
WE USED TESTZONE
AND CRACKED BANK EXAMS
बैंक परीक्षाओ के लिए निश्चित
रूप से सर्वश्रेष्ट मॉक
टेस्ट सीरीज
IT'S YOUR TURN NOW
TAKE A FREE MOCK TEST
Smartkeeda
The Question Bank

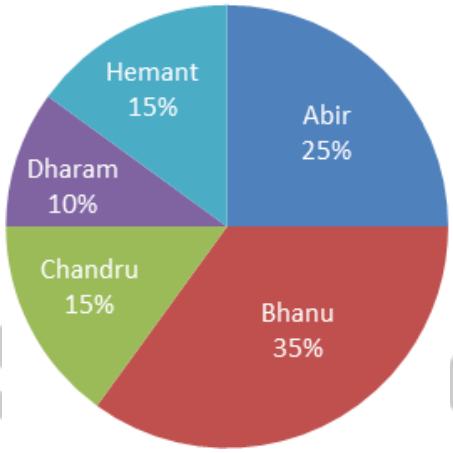
DI Pie Chart Questions for IBPS PO Pre, SBI PO Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

DI Pie Chart No. 60

Directions: Study the following pie chart carefully and answer the questions given beside.

Pie-chart given below shows investment (in terms of percentage) out of total investment of five different persons.

Total Investment = Rs. 160,000



1. Bhanu and Hemant started a business together. Bhanu left the business 9 months after starting of business but Hemant continued for the entire year. Find the difference between profit shares of Bhanu and Hemant if total profit at the end of the year is Rs. 15400?

A. Rs. 4200 B. Rs. 4500 C. Rs. 4800 D. Rs. 3600 E. None of these

2. Abir and Dharam started a business together but after 6 months Abir is replaced by Hemant. Dharam left the business 2 months after Abir while Hemant worked for total 'x' months. Out of total profit of Rs. 13050, Abir got Rs. 6750, and then find the value of 'x'?

A. 3 B. 6 C. 5 D. 4 E. 7

3. Abir, Sanjay and Chandru started a business together. Sanjay invested Rs. 4000 more than amount invested by Chandru. Sanjay left the business after 6 months of starting of business. After 2 months more, Chandru left the business. Out of the annual profit if Abir and Chandru together got Rs. 8736, then find total annual profit ?

A. Rs. 12200 B. Rs. 13300 C. Rs. 11400 D. Rs. 16500 E. None of these

4. Find the average of the investment of Abir, Bhanu, Dharam and Hemant together?

A. Rs. 40000 B. Rs. 34000 C. Rs. 24000 D. Rs. 45000 E. Rs. 28000

5. The investment of Chandru is how much percent more/less than the investment of Dharam?

A. 50% more B. 33.33% more C. 33.33% less D. 50% less E. None of these

Correct Answers:

1	2	3	4	5
A	D	E	B	A

Smartkeeda
The Question Bank

Explanations :

1. Investment of Bhanu = 35% of 160000

Investment of Hemant = 15% of 160000

Ratio of their investment = 7 : 3

Ratio of their time = 9 : 12 = 3 : 4

Ratio of their profit share = $\frac{7 \times 3}{3 \times 4}$ = 7 : 4

11 corresponds to 15400

1 corresponds to = $\frac{15400}{11}$ = 1400

Difference between their profit share = ratio difference is 7 – 4 = 3

3 will correspond to = 1400 × 3 = Rs. 4200

Hence, option A is correct.

Smartkeeda
The Question Bank

2. Investment of Abir = 25% of 160000

Investment of Hemant = 15%of 160000

Investment of Dharam = 10% of 160000

Ratio of their investments = 5 : 3 : 2

Ratio of their time period = 6 : x : 8

Ratio of the profit share = 5(6) : 3(x) : 2(8) = 30 : 3x : 16

Abir's profit share = Rs. 6750

$\rightarrow \frac{30}{30 + 3x + 16} = \frac{30}{46 + 3x}$ = 6750

58 = 46 + 3x

x = 4

Hence, option D is correct.

3. Total investment = 160000

Investment of Abir = 25%of 160000 = Rs. 40000

Investment of Sanjay = Rs. [(15% of 160000) + 4000] = Rs. 28000

Investment of Chandru= 15% of 160000 = Rs. 24000

Ratio of their investment = 10 : 7 : 6

Ratio of their time period = 12 : 6 : 8 = 6 : 3 : 4

Ratio of their profit share = 10 × 6 : 7 × 3 : 6 × 4 = 60 : 21 : 24

→ 20 : 7 : 8

Profit share of Abir and Chandru = Rs. 8736

20 + 8 = 23

28 corresponds to 8736

1 will correspond to = $\frac{8736}{28}$

35 will correspond to = $\frac{8736 \times 35}{28}$ = Rs. 10920

Hence, option E is correct.

Smartkeeda
The Question Bank

4. Investment of Abir = 25% of 160000
Investment of Bhanu = 35% of 160000
Investment of Dharam = 10% of 160000
Investment of Hemant = 15% of 160000

Average of the investment

= {25 + 35 + 10 + 15} × $\frac{160000}{4}$ × 100

→ 85 × $\frac{160000}{400}$ = Rs. 34000

Hence, option B is correct.

5. The investment of Chandru = 15% of 160000

The investment of Dharam = 10% of 160000

$$\text{Reqd. \%} = \{15 - 10\} \times \frac{160000 \times 100}{10 \times 160000}$$

$$\rightarrow 5 \times \frac{100}{10} = 50\% \text{ more}$$

Hence, option A is correct.

Smartkeeda
The Question Bank

SmartKeeda
The Question Bank
Presents
TestZone
India's least priced Test Series platform
JOIN
ALL BANK EXAMS
2020-2021 Test Series
@ Just
₹599/-
300+ Full Length Tests
Brilliant Test Analysis
Excellent Content
Unmatched Explanations
JOIN NOW