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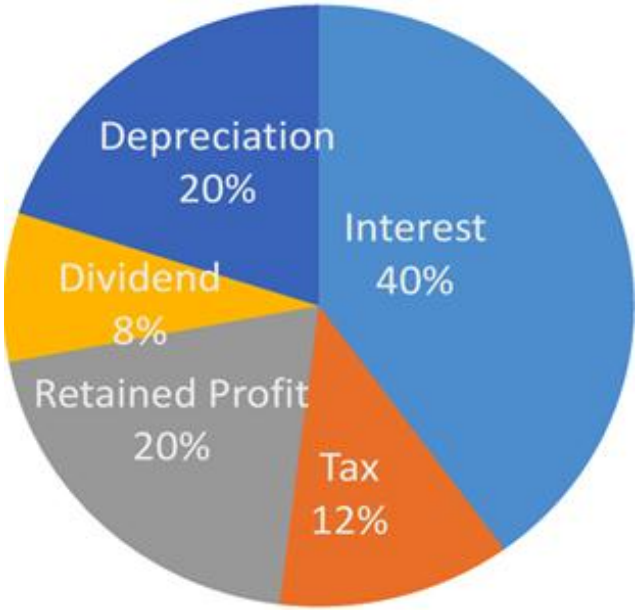
Date Interpretation Pie Chart Questions for Bank PO Exams.

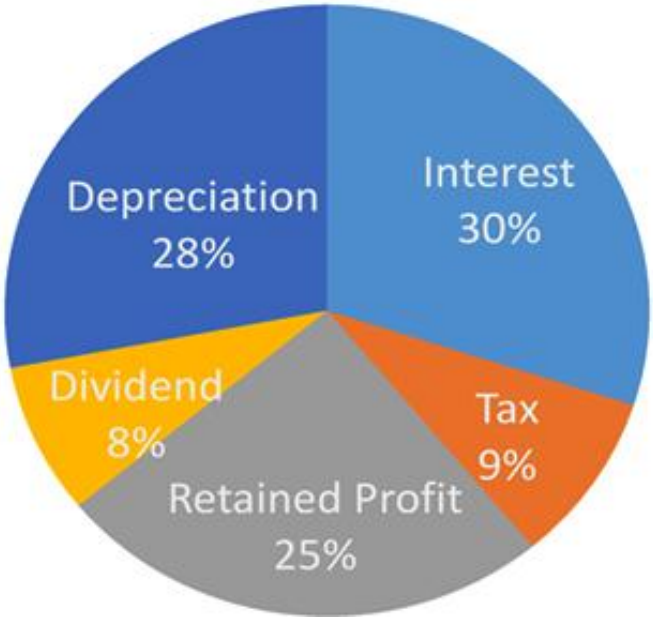
DI Pie Chart Quiz 25

Directions: Study the following graph carefully & answer the questions given below it.

Operating Profit Rs. 320 lac in 2002–03



Operating Profit Rs. 260 lac in 2001–02



1. The interest in 2002-03 approximately increased over in 2001-02 by

A. 64% B. 57% C. 51% D. 44% E. None of these

2. The interest burden in 2002-03 was higher than that in 2001-02 by

A. Rs. 100 lac B. Rs. 80 lac C. Rs. 65 lac D. Rs. 50 lac E. None of these

3. If on an average, 10% rate of interest was charged on borrowed funds, then the total borrowed funds used by this company in the given two years amounted to

A. Rs. 1110 lac B. Rs. 2060 lac C. Rs. 2880 lac D. Rs. 2512 lac E. None of these

4. The dividend in 2002-03, as compared to that in 2001-02 was

A. Higher by 11% B. Higher by 13% C. Higher by 23% D. Higher by 33% E. None of these

5. The equity base of these companies remained unchanged. Then the total dividend earning by the share-holders in 2001-02 and 2002-03 is

A. 46.4 lac B. 28.8 lac C. 18.8 lac D. 10.8 lac E. None of these

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Correct Answers:

1	2	3	4	5
A	D	B	C	A

Explanations:

Common Explanation:

Table-1 Operating Profit Rs. 320 lac in 2002-03

Interest	40%	128 lac
Tax	12%	38.4 lac
Retained Profit	20%	64 lac
Dividend	8%	25.6 lac
Depreciation	20%	64 lac

Table-2 Operating Profit Rs. 260 lac in 2001-02

Interest	30%	78 lac
Tax	9%	23.4 lac
Retained Profit	25%	65 lac
Dividend	8%	20.8 lac
Depreciation	28%	72.8 lac

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1. Following the common explanation, we get

$$\text{Increase} = \frac{128 - 78}{78} \times 100 \approx 64\%$$

Hence option (A) is correct.

2. Following the common explanation, we get
Required Difference = 128 – 78 = 50 lac.

3. Following the common explanation, we get
For 2001, let borrowed fund = x
⇒ 10% of x = 78 ⇒ x = 780
For 2002, let borrowed funds = y
10% of y = 128 ⇒ y = 1280
Total borrowed funds = 780 + 1280 = Rs. 2060 lac
Hence, option (B) is correct.

4. Following the common explanation, we get

Dividend is higher by $\frac{25.6 - 20.8}{20.8} \times 100 = 23\%$

Hence, option (C) is correct.

5. Following the common explanation, we get

Dividend in 2001-02 = Rs. 20.8 lac

Dividend in 2002-03 = Rs. 25.6 lac

Total dividend earning by the share-holders = Rs. (20.8 + 25.6) = 46.4 lac

Hence, option (A) is correct.

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