

## Aptitude - Discounts Online Quiz

Following quiz provides Multiple Choice Questions (MCQs) related to **Discounts**. You will have to read all the given answers and click over the correct answer. If you are not sure about the answer then you can check the answer using **Show Answer** button. You can use **Next Quiz** button to check new set of questions in the quiz.



**Q 1 - The true discount and the simple interest on a certain sum for a given time and at a given rate are Rs. 240 and Rs. 160 respectively. The sum is:**

A - 375

B - 400

C - 430

D - 480

**Answer : D**

**Explanation**

$$\text{Sum} = (S.I * T.D) / (S.I - T.D) = (240 * 160) / (240 - 160) = 480$$

Hide Answer

**Q 2 - The true discount on Rs. 5124 due 2 months hence is Rs. 244. The rate percent is:**

A - 10%

B - 20%

C - 22%

D - 30%

**Answer : D**

**Explanation**

Present worth = Rs. (5124 - 244) = Rs. 4880.

S.I. on Rs. 4880 for 2 months is Rs. 244.

$$R = (100 * TD) / PW * T = (100 * 244) / (4880 * (2/12)) = 30\%$$

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**Q 3 - The present worth of a certain bill due sometime hence is Rs. 1600 and the true discount is Rs. 40. The banker's discount is:**

A - 41

B - 50

C - 51

D - 41.6

**Answer : A**

**Explanation**

$$\begin{aligned}(T.D.)^2 &= P.W. * B.G \\ \Rightarrow B.G &= (T.D.)^2 / \\ P.W. &= 40^2 / 1600 = 1 \\ \Rightarrow B.D &= T.D. + B.G. \\ &= 40 + 1 \\ &= 41\end{aligned}$$

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**Q 4 - The banker's gain of a certain sum due 3 years hence at 20% per annum is Rs. 48. The present worth is:**

A - Rs.100

B - Rs.96

C - Rs.103.33

D - Rs.133.33

**Answer : D**

**Explanation**

$T.D. = (B.G * 100) / (R * T) = 48 * 100 / (20 * 3) = Rs. 80.$   
 $Present\ worth = (100 * TD) / R * T = (100 * 80) / 20 * 3 = Rs. 133.33$

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**Q 5 - The banker's discount on a sum of money for 2.5 years is Rs. 1125 and the true discount on the same sum for 2 years is Rs.800. The rate percent is:**

A - 6.25%

B - 6 %

C - 5.25%

D - 5%

**Answer : A**

**Explanation**

B.D. for  $2.5(5/2)$  years = Rs. 1125.

B.D. for 2 years = Rs.  $(1125 * (2)/5 * 2)$  = Rs. 900.

T.D. for 2 years = Rs. 800.

Sum =  $(B.D * T.D) / (B.D - T.D)$  = Rs.  $(900 * 800) / (900 - 800)$  = Rs.  $900 * 800 / 100$  = Rs. 7200

Thus, Rs. 900 is SI on Rs. 7200 for 2 years

Rate =  $(100 * 900) / 7200 * 2$  = 6.25%

[Hide Answer](#)

**Q 6 - The genuine markdown on an aggregate due 8 months consequently at 6% p.a. is Rs 130. The total due is:**

A - Rs 3120

B - Rs 3250

**C** - Rs 3380

D - None of these

**Answer : C**

**Explanation**

P.W. = Rs  $(100 * 130) / (6 * 8 / 12)$  = Rs 3250

Sum due =  $(P.W.) + (T.D.)$  = Rs  $(3250 + 130)$  = Rs 3380

[Hide Answer](#)

**Q 7 - The straightforward hobby and the genuine rebate on a sure total due 6 months subsequently are Rs 25 and Rs 24 individually. The rate of interest per annum is:**

A - 8%

B -  $17\frac{1}{2}\%$

C -  $35\frac{1}{4}\%$

D -  $25\frac{1}{3}\%$

**Answer : D**

**Explanation**

$$((S.I.)*(T.D.))/((S.I.)-(T.D.))=Rs \ ((25*24))/((25-24))= Rs \ 600$$

S.I. on Rs 600 for 6 months is Rs 25

$$\therefore \text{Rate} = (100*125)/(600*6/12)\% \text{ p.a.} = 25\frac{1}{3}\% \text{ p.a.}$$

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**Q 8 - A man bought dairy animals for Rs 3000 in real money and sold it that day for Rs 3660 due 2 years consequently. In the event that the rate of hobby is 10% p.a., the man picks up:**

A - 0%

B - 5%

C - 7.5%

D - None of these

**Answer : D**

**Explanation**

C.P. = Rs 3000

S.P. = P.W. of Rs 3660 due years hence

= Rs  $((100 \times 3660) / (100 + (10 \times 2))) = \text{Rs } ((100 \times 3660) / 120) = \text{Rs } 3050$

$\therefore \text{Gain\%} = (50 / 3000 \times 100)\% = 5/3\%$

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**Q 9 - The genuine markdown on Rs 960 due 2 years thus is equivalent to the basic enthusiasm on Rs 750 for a long time. What is the rate of interest per annum?**

A - 12%

B - 14%

C - 15%

D - 50/3%

**Answer : B**

## Explanation

S.I. on Rs 750 for 2 years = T.D. on Rs 960 due 2 years hence  
 $\therefore$  P.W. of Rs. 960 due 2 years hence = Rs 750  
 $\therefore$  T.D. = Rs (960-750) = Rs 210  
 $\therefore$  Rate =  $((100*210))/((750*2))\%$  p.a. = 14% p.a.

[Hide Answer](#)

**Q 10 - A businessperson needs to pay to a wholesaler a total of Rs 10028 following 1 year. He needs to pay the obligation following 3 months. On the off chance that the rate of hobby is 12% p.a., the amount he will need to pay?**

A - Rs 9200

B - Rs 9600

C - Rs 9560

D - Rs 9025.20

**Answer : A**

## Explanation

Payment to be made = P.W. of Rs. 10028 due 9 months hence  
= Rs  $((100*10028))/(100+(12*3/4))$  = Rs  $((100*10028))/109$  = Rs 9200



Hide Answer