Aptitude - Simple Interest Online Quiz

Following quiz provides Multiple Choice Questions (MCQs) related to **Simple Interest**. 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 - Basic simple interest on Rs 500 for a long time at 6.25% for each annum is equivalent to the simple enthusiasm on Rs 400 at 5% for every annum for a certain timeframe. The timeframe is:

A - 4 years

B - 5 years

C - 25/4 years

D - 26/3 years

Answer : C

Explanation

```
Let the Required period of time be x years. Then,
500*4*625/100 = 20*x=> x= 6.25 =625/100= 25/4 years.
```

Hide Answer

Q 2 - A man contributes 1/3 of his capital at 7% p.a. 1/4 at 8% p.a. what's more, the rest of 10% p.a. In the event that his yearly wage is Rs 561, the capital is:

A - Rs 5400

B - Rs 6000

C - Rs 6600

D - Rs 7200

Answer : C

Explanation

```
Let capital be rs. x. then,
(x/3*7/100*1) +(x/4 * 8/100*1) + {x-(x/3+x/4)}*100*1= 561
=> 7x/300 +x/50 +5x/120 = 561 =>14x+12x +25 x = 336600
=> 51x = 336600 => x= 6600.
```

Hide Answer

Q 3 - In the event that the yearly rate of simple interest increments from 10% to 25/2 %, a man yearly pay increments by Rs 1250. The primary is:

A - Rs 45000

B - Rs 3200

C - Rs 50000

D - Rs 65000

Answer : C

Explanation

```
Let the principle be rs. x. Then,
(x* 25/2*1/100*1)- (x*10/100*1) = 1250   => x/8 ?x/10 = 1250
=> 5x- 4x= 50000
 X= 50000.
Hence, the principle is Rs. 50000.
```

Show Answer

Q 4 - A cash bank finds that because of a fall in the yearly rate of interest from 8% to 31/4% his yearly salary reduces by Rs 61.50. His capital is:

A - Rs 22400

B - Rs 23800

C - Rs 24600

D - Rs 26000

Answer : C

Explanation

```
Let the capital be RS. x. then
(x*8/100*1) ?(x*31/4*1/100*1) = 123/2
=> 2x/25-31x/400 = 123/2 => 32x-31x = 24600 => x= 24600
Hence, the capital is Rs. 24600.
```

Show Answer

Q 5 - The simple interest on a whole for a long time is two fifth of the entirety. The rate percent per P.a. is:

A - 10 %

B - 8 %

C - 6 %

D - 25/2 %

Answer : B

Explanation

```
Let the sum be Rs. x. Then, S.I = Rs.2x/5
Rate = (100*S.I)/ (p*t) = (100*2x/5* 1/x*1/5) % p.a = 8% p.a.
```

Show Answer

Q 6 - What interest will be had on Rs 450 in 2 years if an interest of Rs 0.40 is charged on Rs 1 for 4 years

A - Rs 90

B - Rs 180

C - Rs 33

D - Rs 100

Answer : A

Explanation

```
Rate of Interest = Re 0.40 at Re 1 for 4 years
= Re 0.10 at Re 1 for 1 year

Simple Interest = PTR/100
= 450*2*10/100
= Rs 90
```

Show Answer

Q 7 - The simple interest on a sum of money is 4/9 of the principal and the number of years is equal to the rate percent per annum. The rate per annum is

A - 5%

B - 20/3%

C - 6%

D - 7%

Answer : B

Explanation

```
We know, I = PTR/100

According to question,

I = 4P/9  and r = t

⇒4P/9 = P*r*r/100
Or, r2 = 400/9
Or, r = 20/3
```

Show Answer

Q 8 - If the annual ROI increases from 10% to 12½%, a man's yearly income increases by Rs. 1250. his principal (in Rs) is?

A - 45000

B - 50000

C - 60000

D - 65000

Answer : B

Explanation

Let the sum be z. Then,

$(z \times {}^{25}/_{2} \times {}^{1}/_{100}) - ({}^{z \times 10 \times 1}/_{100}) = 1250$

$= 25z - 20z = 250000$

$= 5z = 250000$

$z = 50000$

Hide Answer

Q 9 - Find S.I on Rs. 7300 at 12% p.a. for the period from fifth Jan. 2007 to 18 April 2007.

A - Rs. 240

B - Rs. 247.20

C - Rs. 250

D - Rs. 257.20

Answer : B

Explanation

```
Note: The day on which the cash is kept is not tallied and the day on which the cash is pulled back, is number
Here P = Rs. 7300, R= 12% P.a.
T = 26 Jan+ Feb. 28+ 31 March +18 April = 103days. = 103/365 days.
S.I = (p*R*T)/100 = (7300*12*103/365*1/100) = 1236/5 =Rs. 247.20
```

Hide Answer