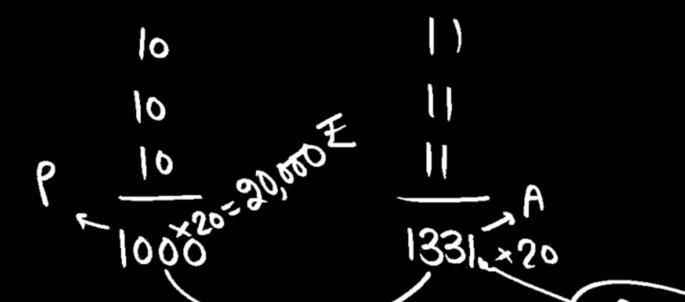
## Type 02

$$|0\rangle = \frac{1}{10}$$



CI = 331

- 1. Principal = ?, Time = 3 yr, Rate = 10%, compound interest = Rs. 6620 मूलधन = ? समय = 3 वर्ष, दर = 10%, चक्रवृद्धि ब्याज = Rs. 6620
  - A. Rs. 30000

B. Rs. 25000

C. Rs. 20000

D. Rs. 18000



and year attcI=110

1. Principal = ?, Time = 3 yr, Rate = 10%, compound interest = Rs. 6620 मूलधन = ? समय = 3 वर्ष, दर = 10%, चक्रवृद्धि

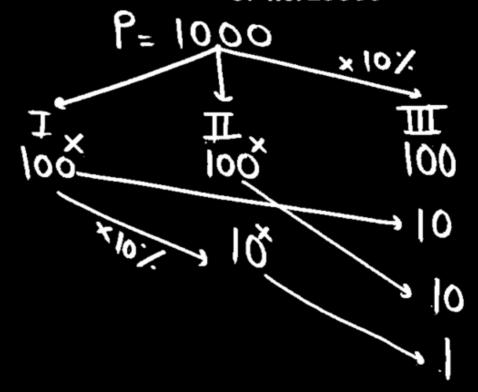
ब्याज = Rs. 6620

A. Rs. 30000

C. Rs. 20000

B. Rs. 25000 (10)

D. Rs. 18000



- 2. Principal = ?, Time = 3 yr, Rate = 15%, (CI-SI) = Rs. 1701 मूलधन = ?, समय = 3 वर्ष, दर = 15%, (चक्रवृद्धि ब्याज – साधारण ब्याज) = Rs. 1701
  - (a) Rs. 24000

(b) Rs. 25000

(c) Rs. 30000

(d) Rs. 40000

3. Principal = ?, Rate = 
$$12\frac{1}{2}$$
%, Time = 3

yr. (CI - SI) = Rs. 12.50

मूलधन = ?, दर =  $12\frac{1}{2}$ %, समय = 3 वर्ष,

(चक्रवृद्धि ब्याज- साधारण ब्याज) = Rs. 12.50)

A. Rs. 264

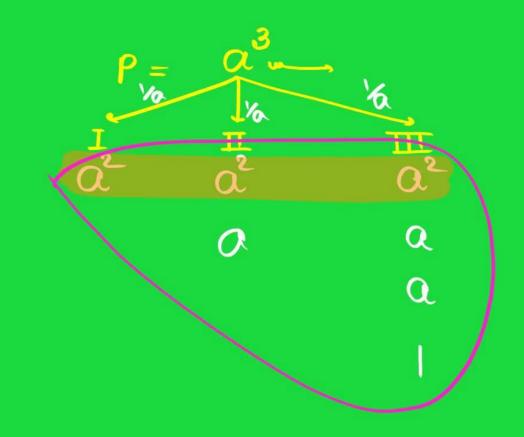
B. Rs. 260

**2**/Rs. 256

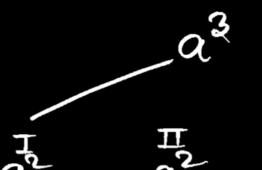
D. Rs. 270

30+

$$SI = 3\alpha^{2}$$
  
 $CI = 3\alpha^{2} + 3\alpha + 1$   
 $CI - 8I = 3\alpha + 1$ 



$$\phi = \alpha^3$$



4. Principal = ?, Rate = 
$$16\frac{2}{3}$$
%, Time = 3 yr.

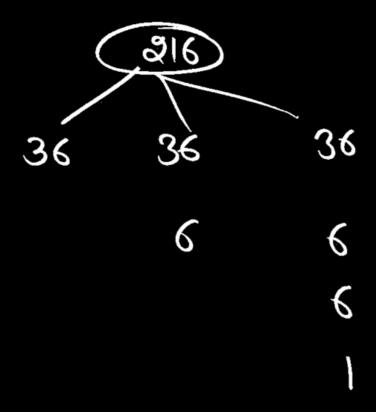
(CI - SI) = Rs. 5.70  
मूलधन = ?, दर = 
$$16\frac{2}{3}$$
%, समय = 3 वर्ष,

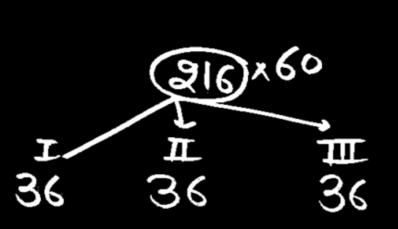
A. Rs. 648

- 3.
- Rs. 600

C. Rs. 548

D. Rs. 560





3 years att CI-2 \*100m CI= 5. Principal = ?, Time = 3 yr, Rate =  $16\frac{2}{3}$ %  $3^{rd}$  yr. CI – 2nd year CI = Rs. 420 मूलधन = ?, समय = 3 वर्ष, दर =  $16\frac{2}{3}$ %, (तीसरे वर्ष का चक्रवृद्धि ब्याज - दूसरे वर्ष का चक्रवृद्धि ब्याज) = Rs. 420 **出.** Rs. 12960

A. Rs. 10000

C. Rs. 11000 D. Rs. 12000

6. Principal = Rs. 10,800, Rate =  $16\frac{2}{3}\%$ , Time = 2 yr. 73 days, CI = ? मूलधन = Rs. 10,800 दर =  $16\frac{2}{2}$ %, समय = २ वर्ष ७३ दिन, चक्रवृद्धि ब्याज = ? A. Rs. 4200 B. Rs. 4000 Rs. 4390 C. Rs. 4500

P = 216

6. Principal = Rs. 10,800, Rate =  $16\frac{2}{3}\%$ , Time = 2 yr. 73 days, CI = ? मूलधन = Rs. 10,800 दर =  $16\frac{2}{3}$ %, समय = २ वर्ष ७३ दिन, चक्रवृद्धि ब्याज = ? A. Rs. 4200 B. Rs. 4000 C. Rs. 4500 D. Rs. 4390

t = 1 year 6 month = 3 Half year

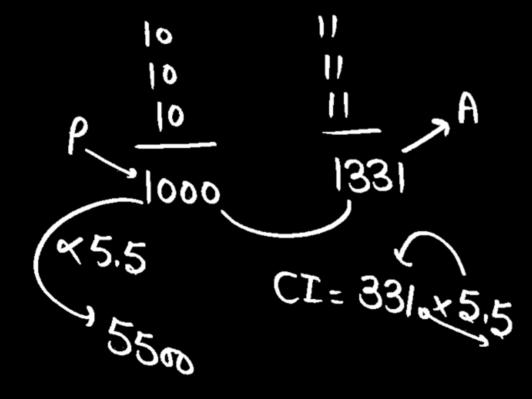
7. Principal = Rs. 20,000, Rate = 20%, Time = 1 yr. 6 month Calculate Compound Interest when rate is Compounded half yearly.)
मूलधन = Rs. 20,000, दर = 20%, समय = 1 वर्ष ६ महीने, चक्रवृद्धि ब्याज ज्ञात करों अगर दर अर्धवार्षिक जाए।

A. Rs. 6870

B. Rs. 6520

Rs. 6620

D. Rs. 6600



8. The compound interest on a sum of Rs 5,500 at 15% p.a. for 2 years, when the interest is compounded 8 monthly is:

रुपये 5,500 की राशि पर वार्षिक 15% की दर से 2 वर्ष में प्राप्त चक्रवृद्धि ब्याज ज्ञात कीजिए, जब ब्याज की गणना हर 8 महीने पर चक्रवृद्धि आधार पर की जाती है।

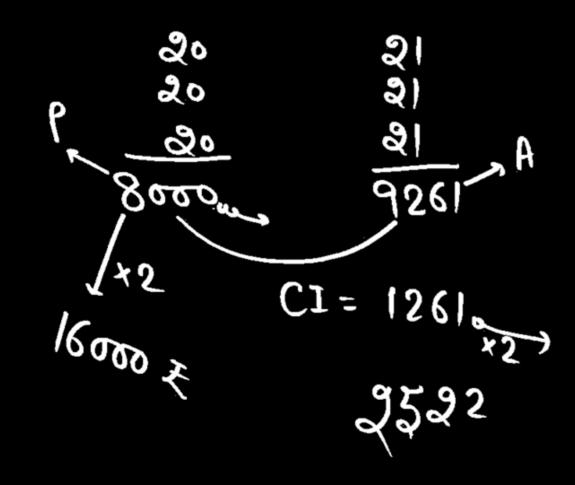
A. Rs. 1,850

B. Rs. 1,880

Rs. 1,820.50

D. Rs. 1,773.75

$$t = 20\% = 5\%$$
 Rev Quarter =  $\frac{1}{20}$   
 $t = 9$  month = 3 quarter



9. The compound interest on a sum of Rs. 16000 at 20% p.a. for 9 months, when the interest is compounded quarterly?

रुपये 16000 की राशि)पर वार्षिक 20% की दर से 9 माह में प्राप्त चक्रवृद्धि ब्याज ज्ञात कीजिए, जब ब्याज की गणना त्रैमासिक आधार पर की जाती है।

2522

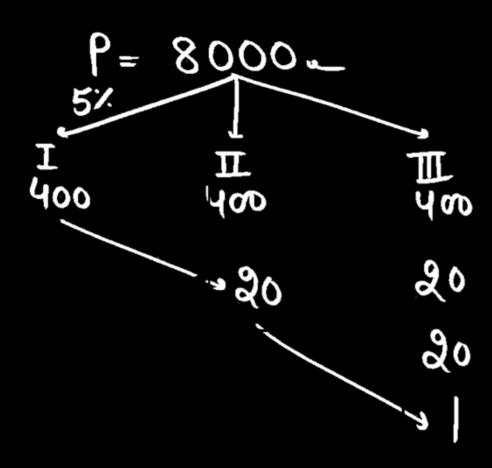
B. 2225

C. 2672

D. 2870

8000° 16000£ 1 16000£ 2 2£

$$t = 20\% = 5\%$$
 for Quarter =  $(\frac{1}{20})^3$   
 $t = 9$  month = 3 quarter



9. The compound interest on a sum of Rs. 16000 at 20% p.a. for 9 months, when the interest is compounded quarterly? रूपये 16000 की राशि पर वार्षिक 20% की दर से 9 माह में प्राप्त चक्रवृद्धि ब्याज ज्ञात कीजिए, जब ब्याज की गणना त्रैमासिक आधार पर की जाती है।

A. 2522

B. 2225

C. 2672

D. 2870

$$7 = 20\% = 5\%$$
 Per Quarter =  $\frac{1}{20}$   
 $t = 1$  year = 4 Quarter  
 $3 + 3 + 3 + 3$   
 $20\%$  Per annum  
 $\frac{5}{20}$  X

10. Principal = Rs. 8000, Rate = 20%, Time = 1 yr. Find (CI - SI) if rate is Compounded quarterly.

मूलधन = Rs. 8000, दर = 20% समय = 1 वर्ष तो (चक्रवृद्धि ब्याज - साधारण ब्याज) जात करों अगर दर त्रैमासिक हो तो।

Rs. 124.05

B. Rs. 138.40

D. Rs. 128

C. Rs. 125.04

7 = 20% = 5% Per Quarter =  $\frac{1}{(20)}$ = (160,000 = t = 1 year = 4 Quarter 2000 T 0008 亚 2000  $\nabla$ 8000 1240.5 400 400 400 400 400 2x10 480 80 480 20 124.05₹

11. The ratio of difference between CI and SI for 3 years to the difference of CI and SI for 2 years is 19:6 find the rate of interest. 3 वर्ष चक्रविद्धि ब्याज और साधारण ब्याज का अंतर और 2 वर्ष के चक्रवृद्धि ब्याज व साधारण ब्याज के अंतर का अनुपात 19:6 है। दर ज्ञात करों?

A. 20% B. 50% A. 16\frac{2}{3}% D. 70%

3400 at 2400 at 3

CI-SI CI-SI

19 % 6

12. Ratio of 3 years of CI and SI of one year on a certain sum of money is 3.64:1 find rate percent.

A. 20% B. 50%

CI-SI -

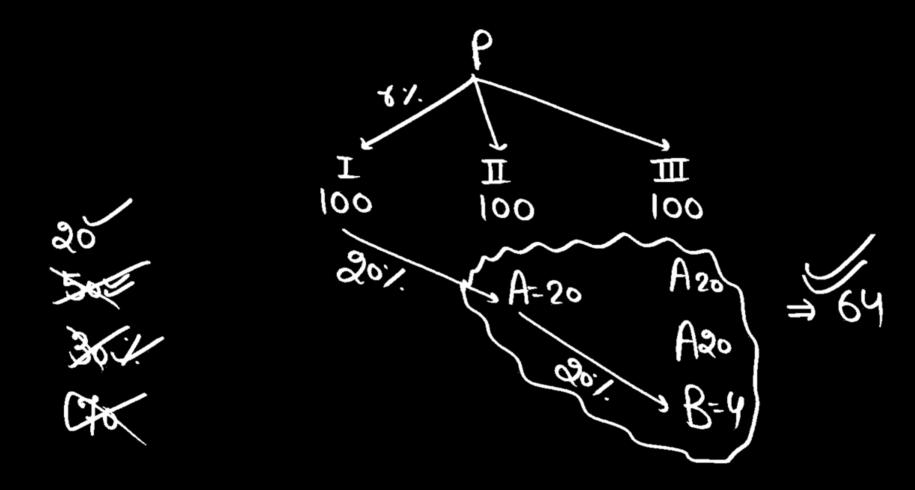
3 वर्ष के चक्रवृद्धि ब्याज व 1 वर्ष के <u>साधारण</u> ब्याज का अनुपात 3.64 : 1 है। दर ज्ञात करों।

3 year at CI of year at SI)
CI - 364 of loo

C. 30%

D. 70%

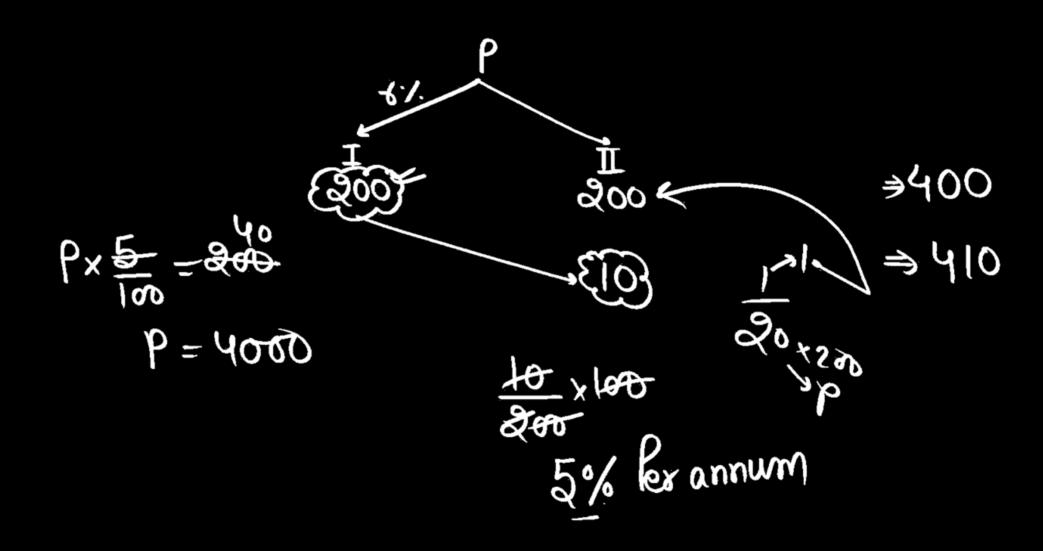
$$30\% = x\%$$
 $1 = 100$ 
 $100 = 100$ 
 $3x + \frac{x^{2}}{100} = 64$ 
 $30x + x^{2} = 6400$ 
 $x_{1}(300 + x) = 6400$ 
 $x_{2}(300 + x) = 6400$ 
 $x_{3}(300 + x) = 6400$ 



t= 2year

12. The simple interest and compound interest on a certain sum of money is Rs. 400 & Rs. 410 respectively find principal and rate of interest? (time = 2 years) किसी धन पर साधारण ब्याज व चक्रवृद्धि ब्याज क्रमशः Rs. 400 व 410 है। मूलधन व दरजात करो अगर समय २ वर्ष हो?

A. 3500 B. 4500 C. 4000 D. 2500



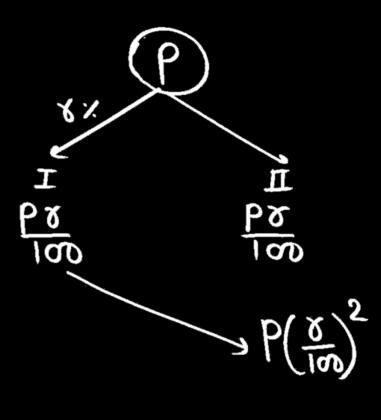
$$V = \sqrt{\frac{72^{36}}{5000}} \times 100$$

$$\delta = \frac{6}{50} \times \frac{2}{100} = 12\%$$
 A. 25% B. 15% C. 12%

14. If the difference between CI and SI on a certain sum of money of Rs. 5000 for 2 years is Rs. 72. Find rate of interest?

Rs. 5000 के धन का 2 वर्ष का साधारण ब्याज और चक्रवृद्धि का अंतर Rs. 72 है दर ज्ञात करो।

D. 10%



$$g = \sqrt{\frac{b}{D}} \times 100$$

15. At what is rate percent the difference of CI and SI on a certain sum of money of Rs. 30720 in 3 years is Rs. 1500.

Rs. 30720 के धन का 3 वर्ष का साधारण ब्याज और चक्रवृद्धि ब्याज का अंतर Rs. 1500 है। दर जात करो ?

$$2. 12\frac{1}{2}\% \quad B. \quad 15\frac{2}{3}\% \quad C. \quad 18\frac{2}{3}\% \quad D. \quad 16\frac{2}{3}\%$$

$$QN = \frac{\alpha}{1} = \frac{8}{1}$$

$$\alpha^2$$
  $\alpha^2$ 

 $\alpha^3$ 

$$\frac{CI-SI}{\rho} = \frac{3\alpha+1}{\alpha^3}$$

$$3 \frac{1}{8} \frac{$$