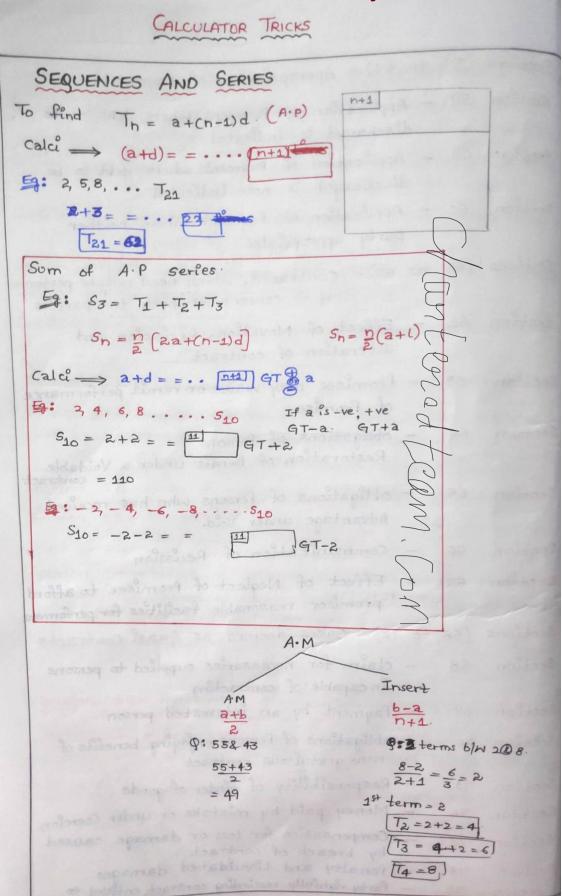
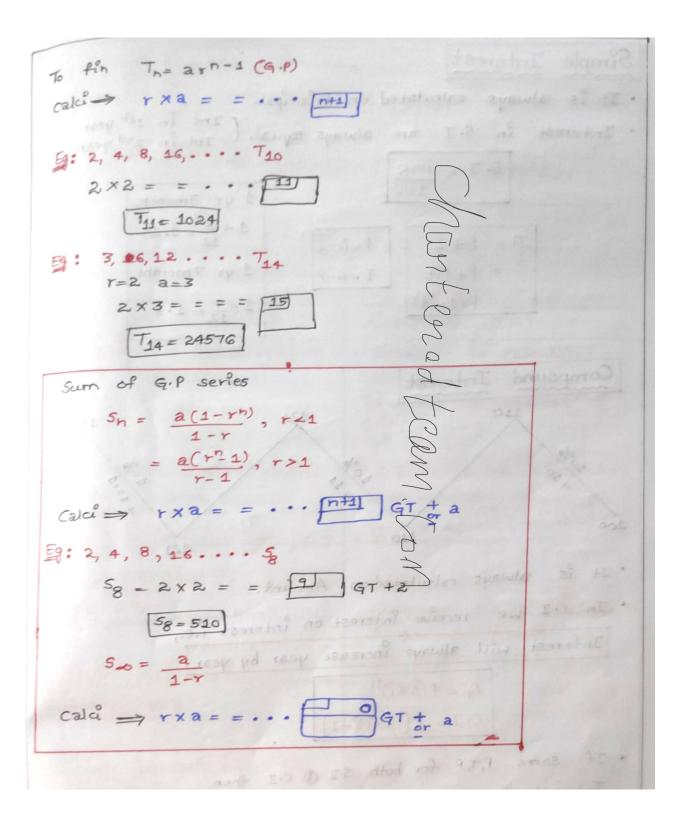
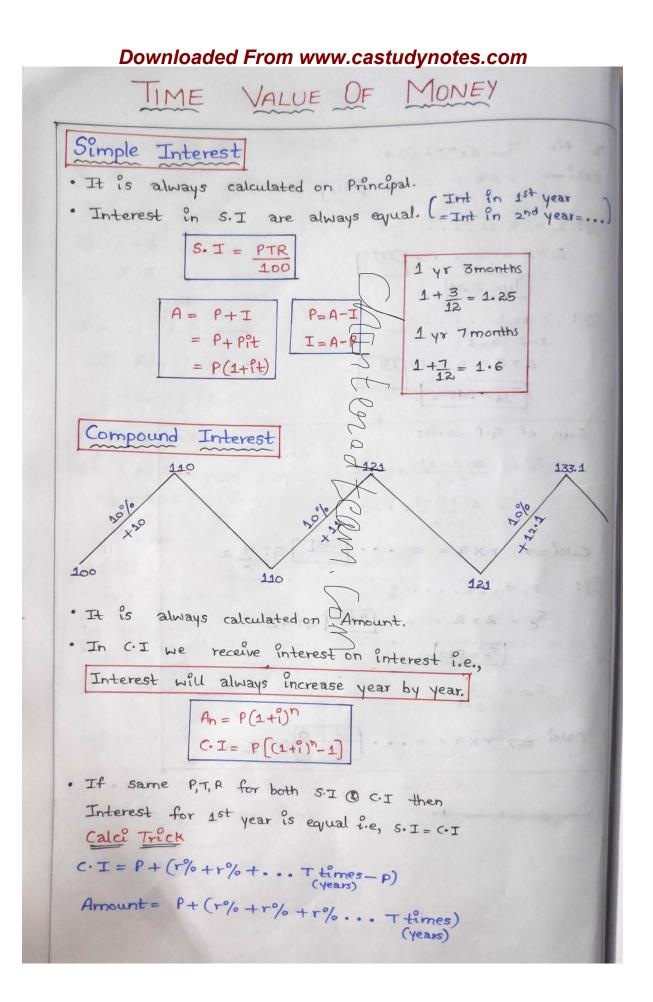
CALCUTATOR TRICKS 1) (+1-) used to convert positive number to Negative 2) To find square (vz) Eq: 9,0=3 (9,5) 3) To calculate square (x2) 5: 1312= 17161 (131 X =) (No. X =) 16 Eg: 24= 16. (Nax press (=) (n-1) times) 5) To find nth power (x-n) Eq: 3-4 = 0.01234 (3 : press (=) 4 times) if n is negative nt2 [6] (No. : press (=) n times [6] (No. : press (=) n times) 6) To find nth power (x 7.20 any) Eg: (1.03) 7.2 * Type 1.03. if n is in points = 1.2371 . 12 times 55... . Type the given number. -1 · 5555.... 12 times Intered team x 7.2 · -1 +1 * X =, X =, X= X Given power · · · 12 times +1 X =, X =, X =, 12 times

(1-03) \$ 3 = 1-00990 7) To find nth power (x4n) · Type (1.03) if n is a fraction VVV. . 12 times . Type the number. -1 · JJJ 12 times -3 ·-+1 . +1 * X=, X=, X= ... 12 times · - n . +1 · X =, X =, X = 12 times (1.05)74 = 1.0891 8) To find nth power if n is a fraction (x a/b) Type 1.05 JJ. . . 12 times · Type the number. · 555. 12 times ×7, ÷4 · -1 =, X=, X= ... 13 times • xa, +b . +1 ()· X = , X = , X = 12 times 0 9) Use of (M+), (M+) (MRC) Memory Recall 5: (8 ×5) + (7 ×3) + (6×5) + (9×3) 8x5 = 40 M+ To clear Memory 7×3= 21 M+ press MRC 2 times. 6x5=30 M+ 9 X3=27 M+ MRC = 118导: (7×2) + (6×2) + (7×2) - (3× 7 X2 = 14 M+ 6×2=12 M+ 7 X2 = 14 M+ 3x2=6 M-MRC = 34

10) Trick for ratio g: Divide 17455 in 8:7:3. \$ 15000 should be divided among 3 persons in 2:3:5 Total Ratio = 2+3+5=10. 15000 = 1500 10 1500 x 2 = 3000 No need to) 3 = 4500 press any 5 = 7500 button 15000 11) Trick for finding % Eg: 17240 Should be divided in 10%, 25%, 30%, 12%. 17240 × 10% 1724 25% 4310 No need 30% 5172 to press (any button 12% 2068.8 XD= ZO M-+ 121

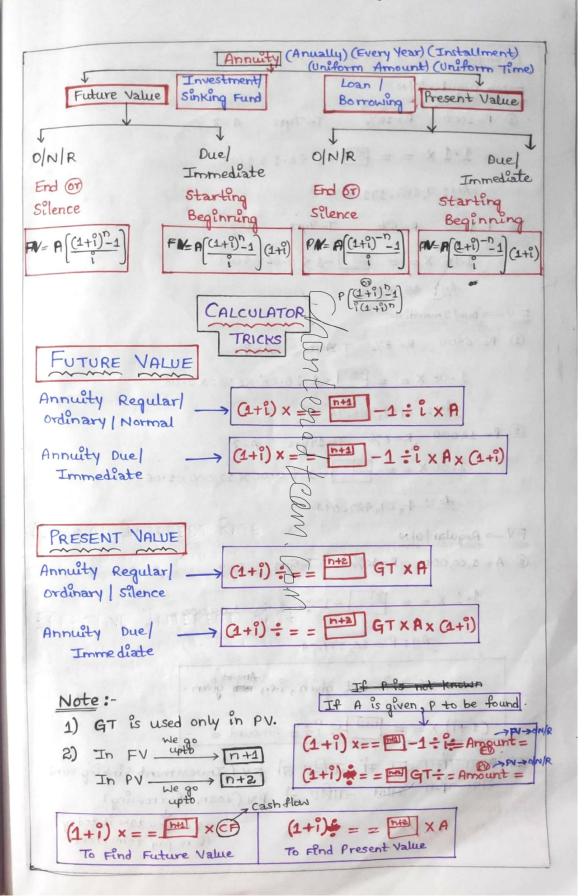






Types of a compounding at different conversion Periods () C.I Time Rate TX1 R = 1 Yearly Annually TX2 Half Yearly/ semi Annually R: 2 TX4 R= 4 Quarterly TX 12 R= 12 Monthly T X 365 Daily R= 365 C.I Double Triple T $r = \frac{69}{r} + 0.35$ 111.444 0-35 Cases-1 SI 5: The sum of money double Sitself in 4 years, what would be R2 $\frac{R}{Rate} = \frac{n-1}{T} \times 100$ AN: A=2P. WIKIT A-P=S.I. 2P-P= S.I time X = PTR 100 $R = \frac{2-1}{4} \times 100$ R= 100 R=25% 4. R = 25% 59: A sum of money gets 7 times in 40 years. $R = \frac{n-1}{T} \times 100 = \frac{7-1}{40} \times 100$ R = 15%

Case - 2 Eq: If sum of money gets doubles in 6 years. In how many years it will get triple? $T_{2} = h_{2} - 1$ T1 n1-1 $T_2 = T_1 \left(\frac{n_2 - 1}{n_1 - 1} \right)$ n1=2 h2=3 $T_1 = 6$ $T_2 = ?$ = 6×2 = 12 . . It triples in 12 years. Case -2 Eq: A sum of money doubles itself at c. I in 10 years in how many years will it become 8 times ? $T = \frac{69}{r} + 0.35$ A = P(1 + R)T $10 = 0.35 + \frac{69}{r}$ F = 7.15% $R = P(1 + \frac{7.15}{100})T$ $R = P(1 + \frac{7.15}{100})T$ A = 8P $10 - 0 \cdot B5 = \frac{69}{7}$ $r = 69 = 7 \cdot 15\%$ $R = (100 + 7 \cdot 15) T$ $R = 69 = 7 \cdot 15\%$ DIVIDIAL $r = \frac{69}{9.65} = 7.15\%$ av dien dans still gebing pile = (1.0715). Tostil at i atmany lement le mosin Type in calculator 1.0715×---- (Till u get 8 or rearby value Case-4:-5: If a population of a village becomes 10250 after 2 years and 11070 after 3 years, what is the rate of increase per annum. By 0:4 a) $5^{\circ}/_{0}$ b) $5^{\circ}/_{0}$ c) $7^{\circ}/_{0}$ d) $8^{\circ}/_{0}$. 10250 + $(8^{\circ})/_{0}$ = 11070 10250 -> 2 years So Am: 8% ASSA 11070 - 7 3 years (10250 + - %= 11070) While calculating this the Principal Amt is Amount of previous years.



How to identify if question is of Annuity? Use of words like · Annuity · Installment · Each year | month | quarter How to identify type of Annuity in Question? . If question is silent about when installments are starting or use of word at end of each period - Annuity Regular · Annuity Due is used when guestion is using words like * starting today T * starting immediately * starting Now. D How to identify que is of How to identify que is of future Value ? Present Value 2 · Rs. 10,000 amounts to Mr.A borrows Rs. 10,000 · A sum of money will become S what is loan amount · You will receive \$5.10,000 after 2 years · the amount standing at your credit after INVESTMENT BORROWING SINKING FUND LOAN