$$\frac{50}{100}(x-y) = \frac{30}{30}(x+y)$$

$$y = \frac{20}{80} \times (B) 25 \%$$

$$y = 0.25 \times \chi$$

$$y = 25 - 4 \cdot 0 \times 0.81$$

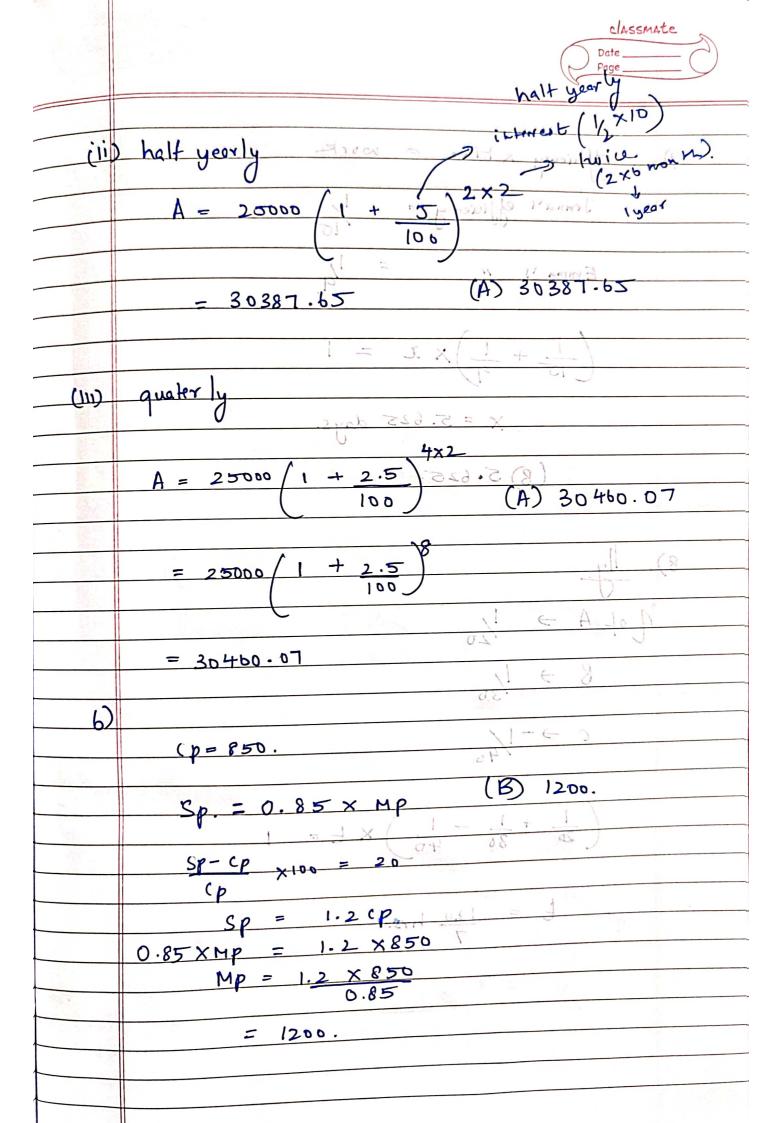
$$\frac{x}{100} \times \frac{y}{100} \times \frac{x}{100} = \frac{2}{100} \times \frac{xy}{100}$$

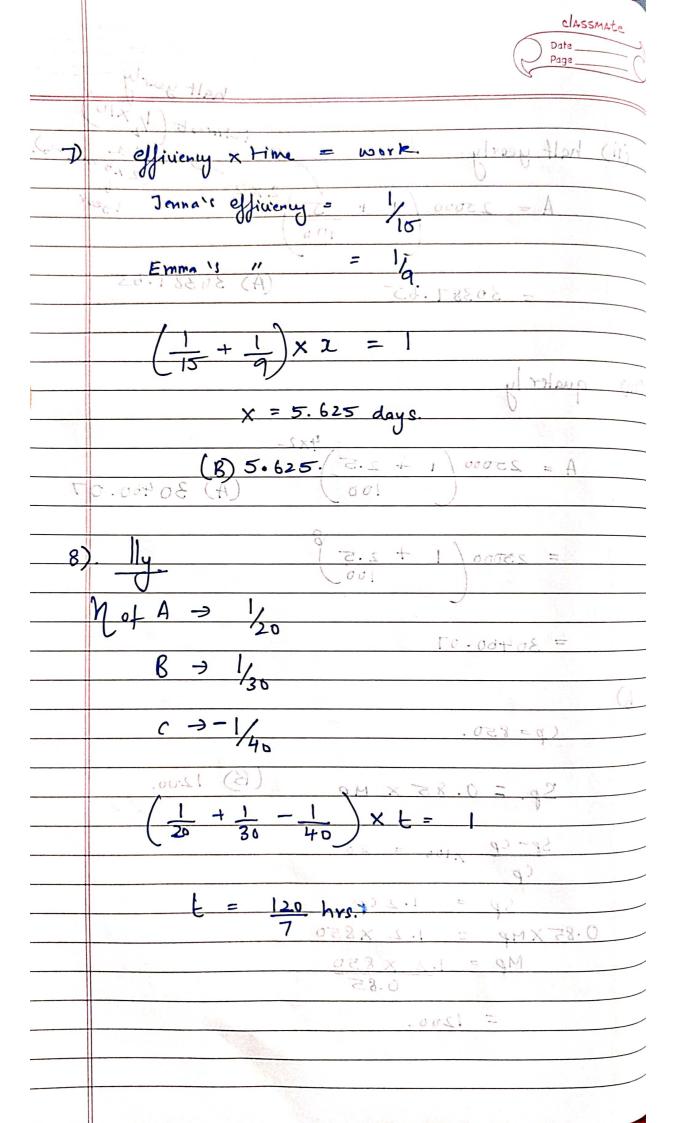
J = 101. 862 course.

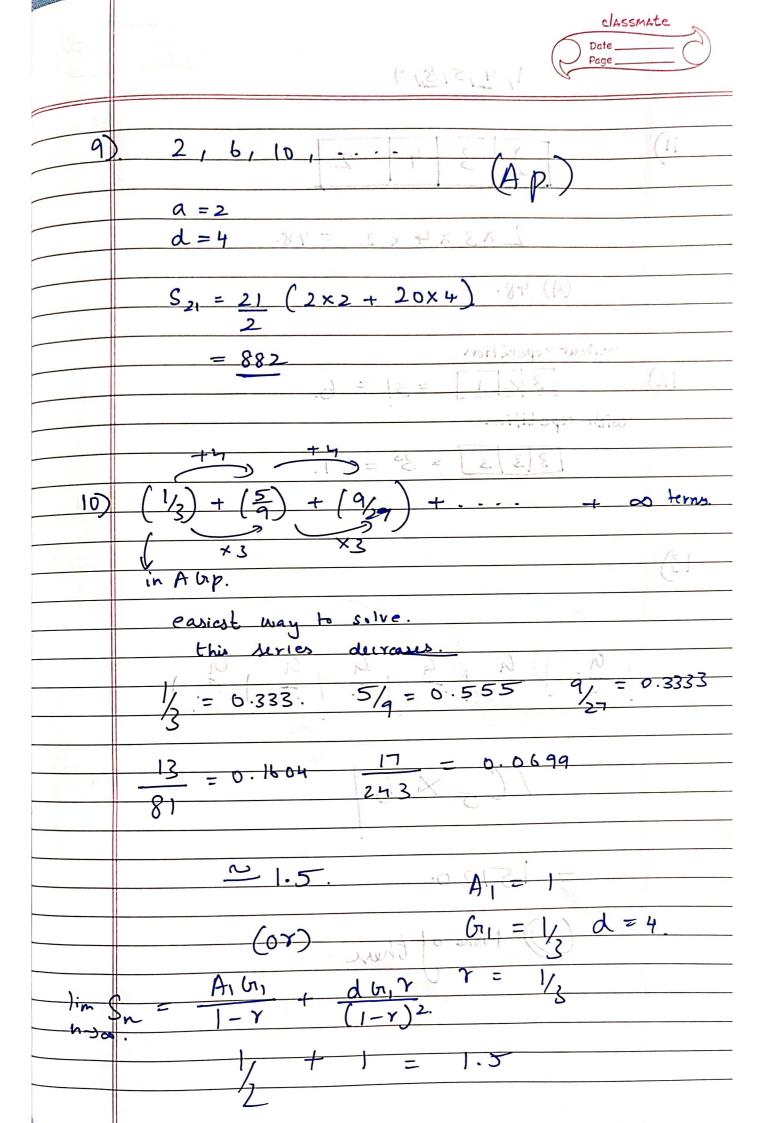
0.5357 5 1-0.46429) 8

(A) 30200. 46.431.

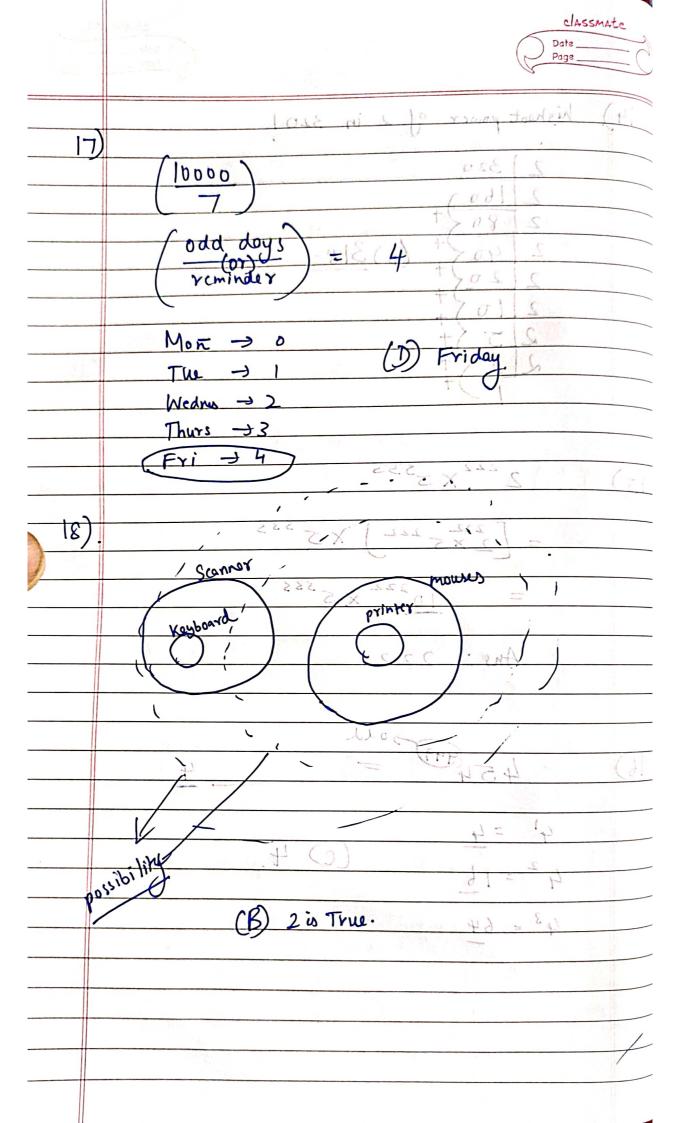
| 4)     | Pa -> 130 P1 (++1) UE = (+-1) UC.   |   |
|--------|---|---|
|        | (B) 237.00  |   |
|        | 20.2 = 801  |   |
|        | p <sub>1</sub> c <sub>1</sub> = ρ <sub>2</sub> c <sub>2</sub>   |   |
|        | $p_1' c_1 = \frac{130}{100} p_1' \times (2^{3/2} \times 1) = 1$   |   |
|        | $\frac{C_2 = \frac{100}{130} C_1}{130 \times 10^{-1/20}} = \frac{100}{130}$ $\frac{C_1}{130 \times 10^{-1/20}} = \frac{100}{130}$ |   |
| 13-7/4 | C 27192 C   |   |
| - 1    | 2 = 0.18124   |   |
|        | =(1-0.2307) (,  |   |
|        |   | p |
|        | = X 10  |   |
|        | decreased by 23.07-1.   |   |
|        | 100 001 001 001 001 001   |   |
| 5)     | A: 600 D = 2 500 6 =  |   |
|        | Aresp: = 2350   |   |
|        | Y = 10-1. per annum   |   |
|        | t = 2 years. (0 1/5 (8)   |   |
|        |   |   |
| ci     | Annually  |   |
|        | T 1111 0  | 7 |
|        | A = 25000 / 1 + 10 / 2  |   |
|        | T (40x 100)   |   |
|        |   |   |
|        | A = 30250 000 T   |   |
|        | 2 (FETOT. 0 -1) =   |   |
|        | (A) 30200.  |   |
|        | 46.75%  |   |







|      |  | 1    |
|------|--|------|
|      | highest power of 2 in 320!   | (1)  |
|      | 2 320 (0000)   | 11   |
|      | 2 160)   |      |
|      | 2 80 7   |      |
|      | 2 40 (B) 318.  |      |
|      | 2 2 0 3 +  |      |
| 7 (5 | 2 105  |      |
|      | 2 2 7 (2)  |      |
|      | Medina -3)   |      |
|      | Thurs -73  |      |
|      | 222 555  |      |
| 15)  | 2 222 X 5 555  |      |
|      | $= \begin{bmatrix} 222 & 222 \\ 2 \times 5 & 222 \end{bmatrix} \times 5^{333}$ | 18). |
|      | = (2×5) No   |      |
|      | $=$ $10^{222} \times 5^{333}$  |      |
|      | - Torandrov  |      |
|      | Ans: 222   |      |
|      |  |      |
|      |  | 4    |
|      | 454 = 4  |      |
| 16)  | 454  |      |
|      | 11 -1  |      |
|      | 4' = 4 (c) 4.  |      |
|      | 4 = 16   | 0    |
|      | $4^2 = 16$ $4^3 = 64$ ANT as (3)   |      |
| 7    |  | 1    |
|      |  | 1    |
|      |  |      |
|      |  |      |



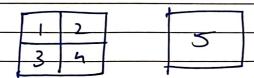
| 19 | ) | 10 | sided   | polygon  |
|----|---|----|---------|----------|
|    | 1 |    | 310-001 | Lail Box |

(10 C2 - 10) = 35

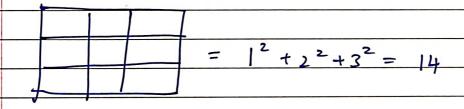
total lines

## 20)





$$1^2 + 2^2 = 1 + 4 = 5$$



## Ches board

$$x = 2.04$$

(C) 204