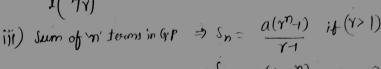
Sequence
$$\xi$$
 services

$$\begin{array}{l}
\text{DA-P}: \\
\Rightarrow a_{n+1} - a_n = d \\
\text{i) General term } T_n = a_{\text{P}}(n-1)d \\
\text{ii) Sum of } n \text{ terms in } A \cdot P \Rightarrow s_n = \frac{n}{2}(2a + (n-1)d) = \frac{n}{2}(a+1) \\
\text{iii) } 2b = a + c \\
\Rightarrow \text{ Instead for of } A_1 A_2, A_3, \dots, A_n \text{ blue } a \cdot \xi \text{ b} \text{ then} \\
\Rightarrow no \text{ of common terms} \\
\text{sum of } n \text{ AM'}_3 = n\left(\frac{a+b}{2}\right) \\
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$$\rightarrow 7_{n} = ar^{n}$$

i)
$$\frac{a_2}{a_1} = \frac{a_3}{a_2} = \gamma \rightarrow \text{common rabbo}$$

it) not been been end of G.P with last term "l' & common ratio is 1(4/y) m







i) A ≥ 9 ≥ H

(1) $G^2 = A \cdot H$

iii) $x^2 - 2Ax + G^2 = 0$

 \vec{n}) $1^3 + 2^3 + \dots + n^3 = n^2 (n+1)^2$

$$b^2 = ac$$

$$q_1, q_2, q_3, \dots q_n = (ab)^n = q^n$$

$$G_1, G_2, G_3, \dots G_n = \sqrt{a}$$

$$M$$
, $Q = 9M$, $H = HM$
 $A = \frac{2ab}{a+b}$

 $S_n = \underbrace{\alpha(1-\gamma^n)}_{1-\gamma} i + (\gamma < 1)$

ii)
$$x^2 - 2Ax + 6^{-2}O$$

i) $1^2 + 2^2 + 3^2 + \cdots + n^2 = \frac{n(n+1)(2n+1)}{6}$ iii) $1+3+5+7-+2n+1 = n^2$