Norme: Raghan Maheshwasi ROUND: PAS3 Panel: A Tutorial-1 Numbers = 9,11,13,15 n= 4 EX= 48 $V = \frac{1}{n} \frac{\xi x^2 - \left(\frac{\xi x}{n}\right)^2}{n}$ $=\frac{1}{4}(596)-\frac{1}{4}(596)^{2}$ = 149-144=5 ϕ_2 $S_{n} = 235$, $S_{n}^2 = 6750$, n = 10, $\infty = ?$ V= 1 522 - (52)2 $=\frac{1}{10}(6750)-\frac{1}{235}$ V = 122.755= JV = 11.067 × 11.08

(P3 Stand and cleviation x 100

Assittant fic mean

(eqf) (N) = 5.4 x 100 = 30 (eqf) (y) = 4.5 x 100 = 20

(eqf) (x) = 6.0 x 100 = 2.5

24.0
$$\Rightarrow$$
 more State distribution in y

PH A.M. S.O.

24.43

4 46 25.495

Z 40 27

Coeff. (N) = $\frac{1}{2}$ x 100

 $\frac{1}{2}$ x 100

$$= \frac{25.495 \times 100}{46}$$

= 55-42

Since C-V-Coj r is least so more consistent batsman is r.

P6 M=2 M2 = 20 second moment about mean = 42 - (41)2 $= 20 - 2^2$ = 20-4=16 Q 1 41 = 2 M2 = 20 M2 = 40 My = 50 Foreth moment about mean= My - 4 My M3 + 6 M2 (M) - 3 (M) $= 50 - 4(2)(40) + 6(20)(2)^{2} - 3(2)^{4}$ = 50 - 320 + 480 - 48= 530 - 368= 162

Vari ance

$$79 \quad N = 5$$

$$5x = 1 + 3 + 5 + 7 + 9 = 75$$

$$5x^{2} = 1^{2} + 3^{2} + 5^{2} + 7^{2} + 9^{2} = 165$$

$$\overline{x} = 5x$$

$$-25$$

$$\overline{x} = 5$$

$$V = 1(5x^{2}) - (5x)^{2}$$

$$-1(165) - (25)^{2}$$

$$= 1 (165) - 1252$$

$$V = 33 - 25$$

$$V = 8$$

$$\sigma = JV$$

$$\sigma = 2.82$$