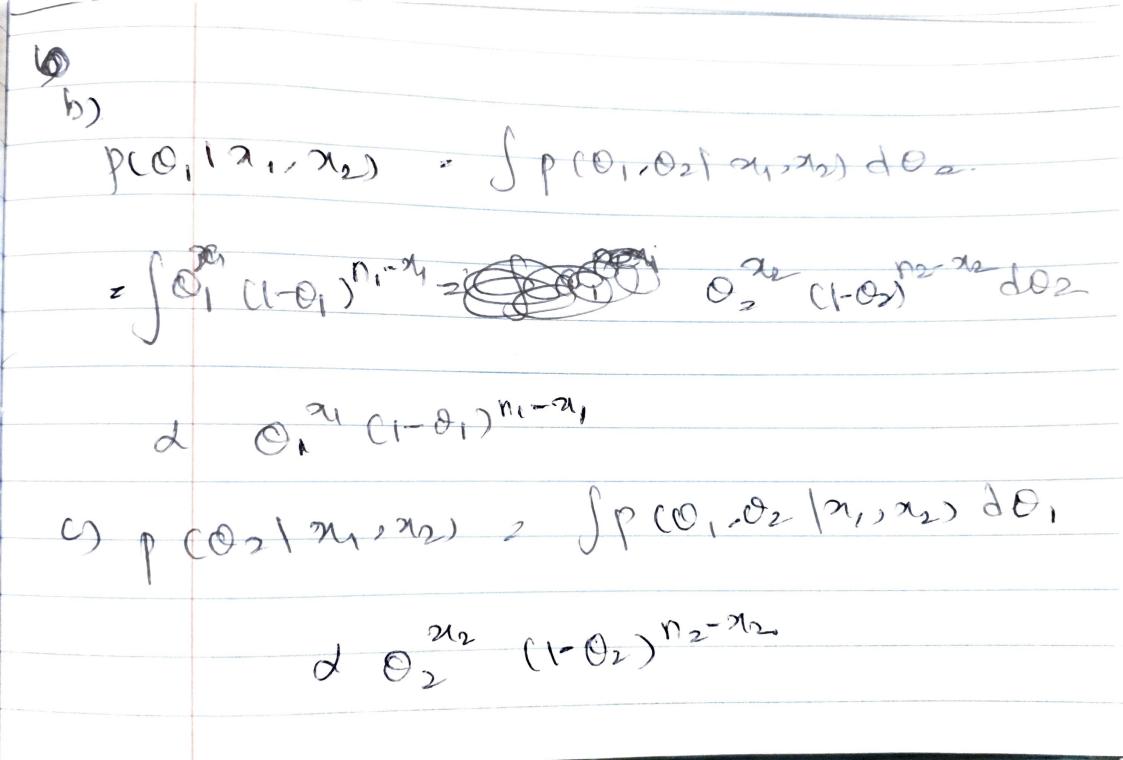
P(01,02) x p(y) 01,00) p(0,9 P(0,02) & P(0, ,02/y) d p (y/0, ,02). P(O1, O2 by) d P(24/01, 72/0) \$. 2 Banomed (17, 9) 2 1000 8 (1-0,) 11-24 12 (1-0,) 11-24 12 (1-0,) 11-24 12 (1-0,) 11-24



Mysely) 2 prying pring P(0,102/X142) \$(4,62/y) 201 (1-01) nion 2 (5°) exp[-1 2 Hi-M) 62 (1-02) n2-2/2 2 P(01 | 71,22) d (5.)

enp (-1, 2, 14, 2.) » p(02/21,22) d (02) -4/2 (y=9+9-4) P(414,00) = 2000) 7/2 $a(s^2)^{-9/2} \exp\left(-\frac{1}{2}(y-y)^2 + 7(y-y)^2\right)$ exp = 1 = 91-412 √ (52) - 1/2 Oup (-1/2-2[n-1)52-4 n ey-4)2 b), beming of beminder d 1 × 1/2 × 1/52

1)
$$p(3^{1}4) = \int p(u)e^{3(4)}du$$

$$= \int (e^{3})^{-1/2} \exp \left(-\frac{1}{2^{1}} \sum_{i=1}^{2} \left[6 \cdot 1^{2} + 7 \cdot (y-u)^{3} \right] \right) du$$

$$= \int (e^{3})^{-1/2} \exp \left(-\frac{6 \cdot 5^{2}}{2^{1}} \sum_{i=1}^{2} \frac{1}{2^{2}} \sum_{i$$

P(4162, 4) , N(41Mp, 6p2) = 1 emp(= 200). Mp. 5 (Mo + 1 1 1) $\frac{1}{\sqrt{n}} + \frac{n}{\sqrt{n}}$ P(M/y) 2 SPCM(62,4)) P(62/4) do2 $\int \frac{1}{\sqrt{2\pi}} \int_{p}^{2} \frac{(1-\sqrt{p})^{2}}{\sqrt{2\pi}} \int \frac{1}{\sqrt{2\pi}} \frac{(1-\sqrt{p})^{2}}{\sqrt{2\pi}}$ 2 Invanmo (2, B) (2 cmp(-1 (4-4p)) grep 1 1) Compute De B 21 Januar 6000 values 62 N Invigamona (4, B)

1) Assume prover 40 & Co2. e) Repeat for every semple of \$ 52/4. 3) Compute posterior ponemoter elp, 8p. 47 Sample a value of M from. (M/29) N(M/Mp, 6) 5). Simply draw histogram for values of 4 & thon Estimate. M (mean, mediam(on mode) from it