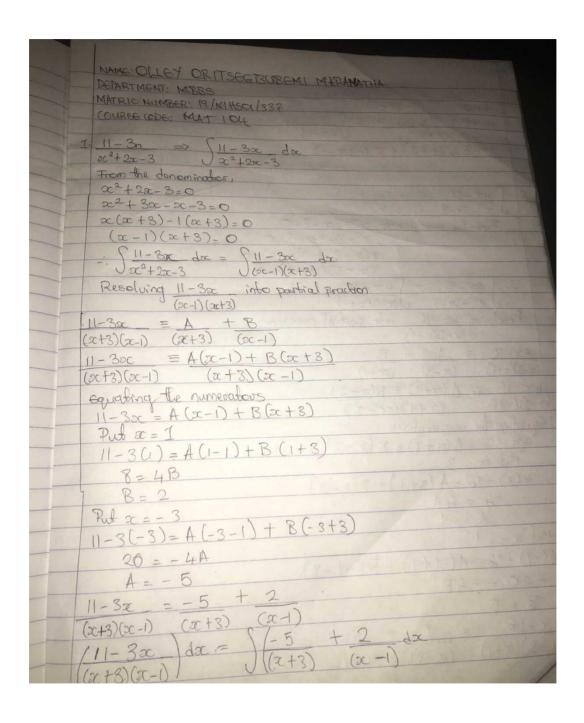
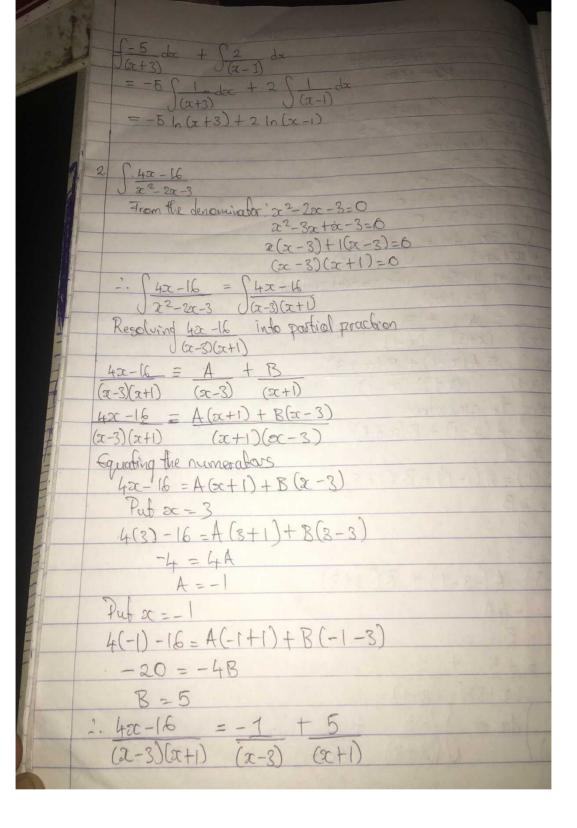
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DEPARTMENT: MEDICINE AND SURGERY

MATRIC NUMBER: 19/MHS01/337

COURSE CODE: MAT 104





```
= -1 \int_{(x-3)}^{1} dx + 5 \int_{(x+1)}^{1} dx
= -1 ln(x-3) + 5 ln(x+1)
                    (202-90x-35x)
(5x+1)(x-2)(x+3)
                      Reading into partial praction
                    2x^{2}-9x-35=A+B+C

(x+1)(x-2)(x+3) (x+1) (x-2) (x+3)
                    2a^{2}-9xc-35 = A(x-2)(x+3) + B(x+1)(x+3) + C(x+1)(x-2)
                    (a+1)(x-2)(x+3) (a+1)(x-2)(x+3)
                      Equalong the nunevators
                        2x^{2}-9x+36=4(x-2)(x+3)+8(x+1)(x+3)+((x+1)(x-2)
                      Put 2 = 2
                        -45=153
                         B=-3
                    Put 2=1
                    -24 = -6A
                    A = 4
                 Fut x =- 3
                   10 = 100
                     C=1
                    2.2x^{2}-9x-35=4-3+1
\frac{(x+1)(x-2)(x+3)}{(x+1)(x-2)(x+3)} = \frac{4}{(x+1)} = \frac{3}{(x+3)} = \frac{4}{(x+1)} = \frac{3}{(x+3)} = \frac{4}{(x+3)} = \frac{4}{(x+3)} = \frac{4}{(x+3)} = \frac{4}{(x+3)} = \frac{4}{(x+1)} = \frac{4}
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