AMEY MAHENDRA THAKUR 110107589

Q1 42 gx (324-1) 94

9NJ 94 94

9W NG

Note that the apore side 100 ti function 0\$

94 94 3

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that the Hote above right side 11 9 fun cition 08

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9Ł 19 2×6

3x.

9 F. 43 dx

Integrating 60th eldes tres

8 (4) ×

Met.

9 t N = 323 27

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$$\frac{\partial}{\partial y}\left((y^3x) + R(y)\right) = 3xy^2 - y$$

$$R'(y) = -y$$

Integrating both sides wet to y

$$R(y) = -y^2$$

Putting the value of R(y) in eq. (1)

$$\frac{1}{2}c = y^3 x - y^2$$

$$C = (22y - 1) y^2$$