









(2): Find the limits of integration in cylindrical coordinates for integrating a function flr, 0,2) over the region D bounded below by the plane Z=0, laterally by the chaudar aylinder $n^2 + (y-1)^2 = 1$ and above by the paraholoid Z=x2fy2. 8012: Given, $z = a^2 + y^2$ $\alpha_1 z = 1^2$ 2=22442 and $a^2 + (y - 1)^2 = 1$ or, 22+42-24+1=9 1 12 - 2 rectisin 0 = D 4 (r-2sin0)=0 1: r=0, 25in 8 Volume (V) = $\int f(r,\theta,z) \delta dr d\theta$

पाठशाला