BGN 2031 B a. dV= v2 sing cos O drd of do M = Francisco = J J Ar 2 (1-e-1/20) r 2 dr dodg =]] A (1-e 1/0) dr dodg = SS[A(r+roe ro)] R dodo =] JA (R+roe -ro) dodp = 4 f 2 th A (R+10 (e - 1)) do = 2 M 2 A (R+ ((e - (-))) = 2 H2 AR (1+ (e 6 -1)) = 4TIAR f(() where f() =] (1+ (e-(2)-1)

ii fyr
$$\Rightarrow \emptyset$$
 $f(\frac{c}{R}) = \frac{\sin \frac{\pi}{2}(1+\chi(e^{-\frac{t}{2}}-1))}{(\frac{t}{2})}$

lim $\frac{e^{-\frac{t}{2}}}{(\frac{t}{2})}$
 $\frac{\sin e^{-\frac{t}{2}}}{(\frac{t}{2})}$
 $\frac{\sin \pi}{2}$
 $\frac{\sin \pi}{2}$

1/2 b. dV = rdrdldz $\frac{r^2}{2}$ $\leq \frac{2}{a} + 1$: d(2 -1) < 2 < 0 $\frac{r^2}{a^2} < 1$:, r2< a2 .Ocrca

ACCOUNT OF THE PARTY OF THE PAR

2030-30