## 2M-CLASS BRACITCE

NAME: SHREYAS SRINTUASA

BLAZERIO :- SSKINIA

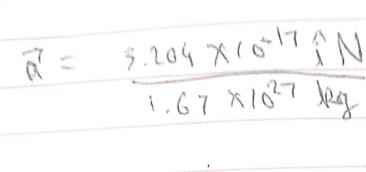
(a) Horre von proejon con proejon-

200 2 N/C (POT F. 2002) 1 2002

= 1.602 × 10 10 (x2002 N/C) = 3.204 × 10 17 2N

DE E

Mes # and 1.67 × 10-27 pg form



= 1.916 × 1010 m/52

: Douce for proton 4 F= 3.204 x10-17

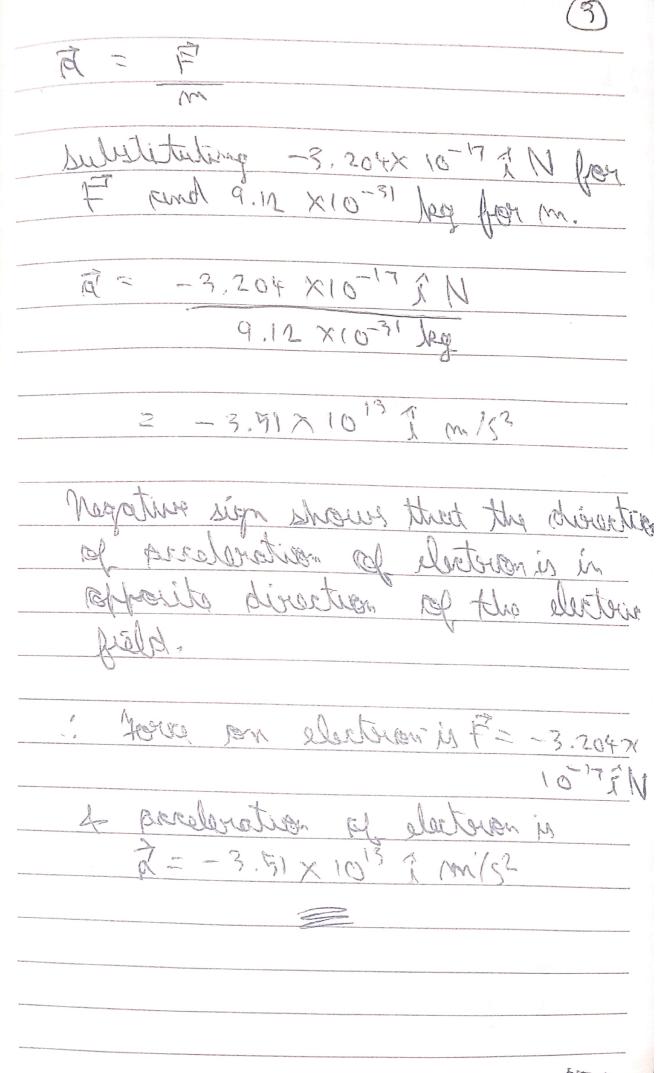
orcalaration of proton is \$ = 1.916 × 10'0 ? m/s

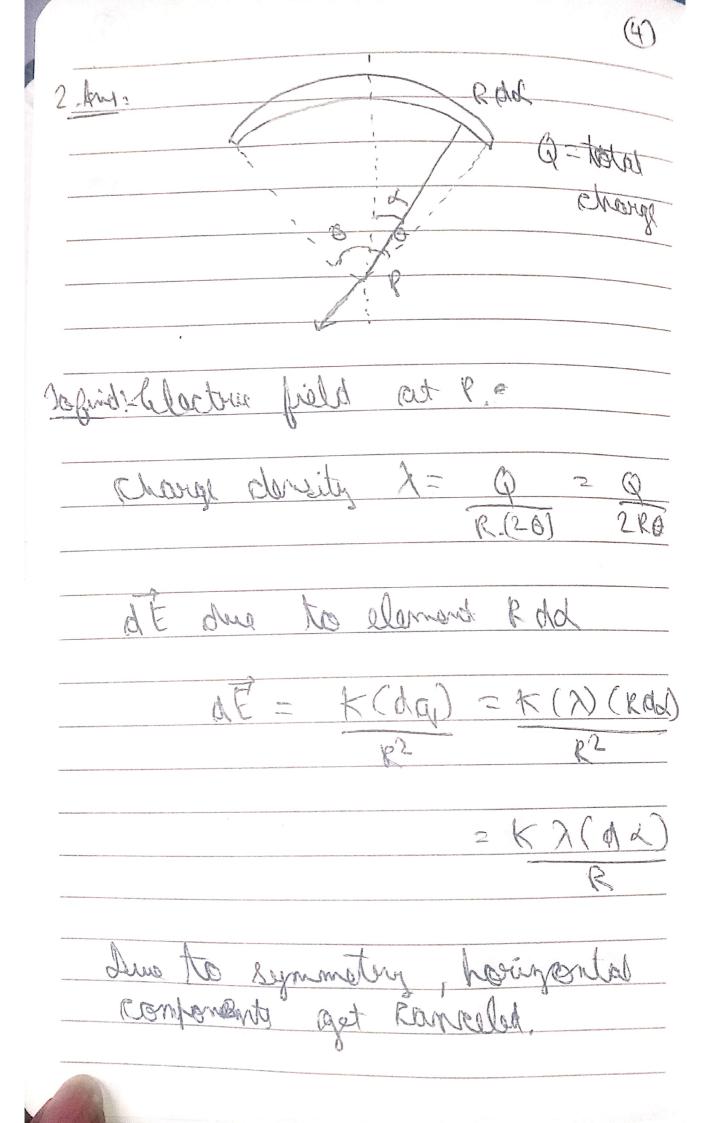
(b) your on sloctoron can be calculated

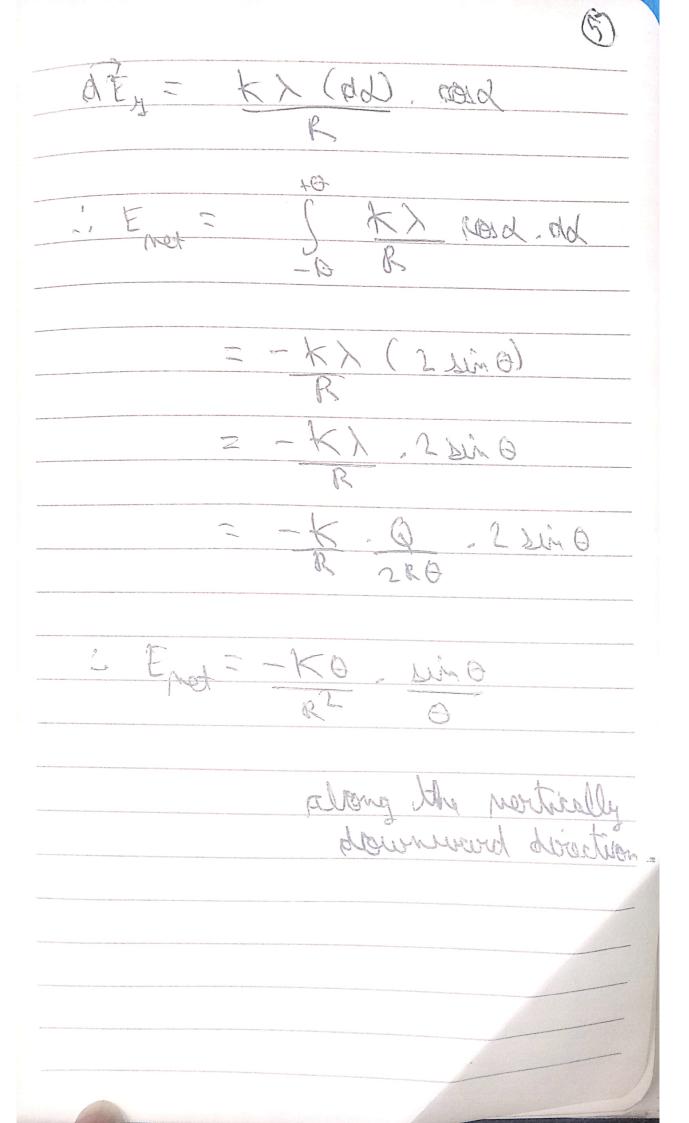
substituting -1.602×10-19C forque and 200 ? N/C for E.

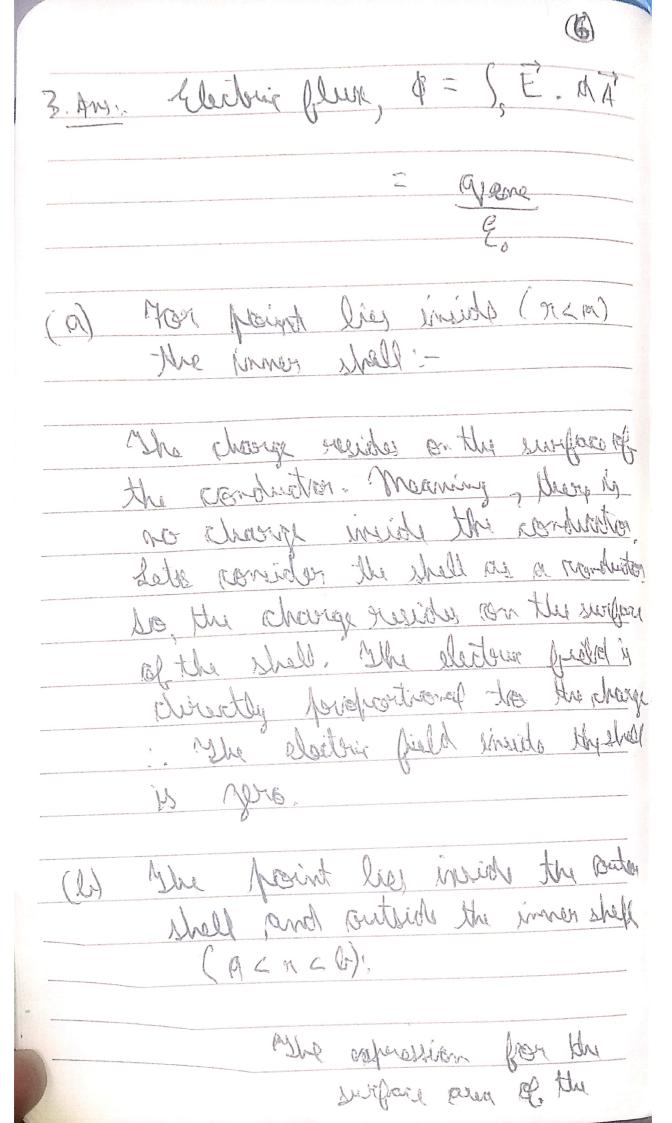
= -1.662×10-19(×200 2 N/C

norative sign shows that the book is acting in apposite down-



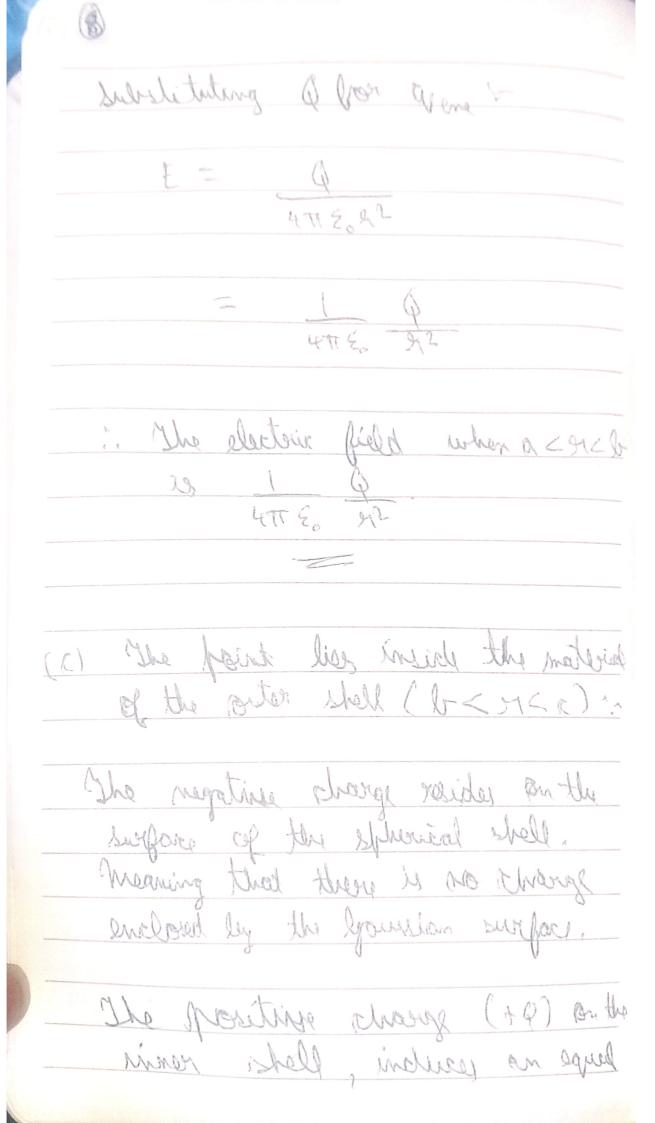








Mhorical shall is :- H = 477 32
Here or in the produce of the spherical
naisenay but bealand for the springer
The electric flux through the grangian
Substituting 477 92 for A and +Q for gondent
:. Q = E(4T x2)
Substituting of one for p.
9 m = E (4712)
Preme = E(4TEOH2)



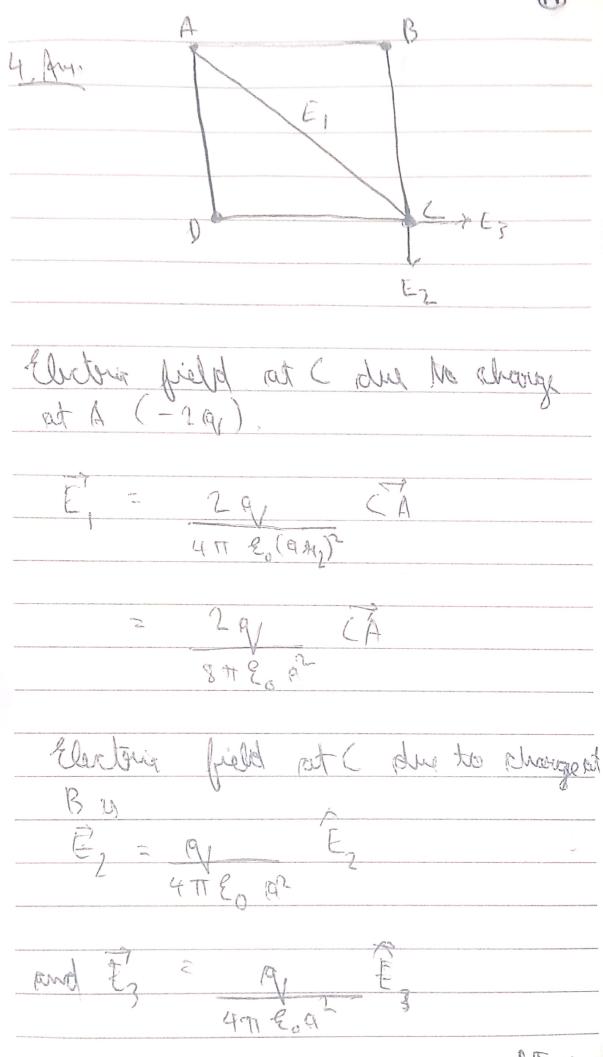


and official charge (-9) on the
periable ration at to enafrew raring
Sprants latest get jude I shake
malaing for the parishan suffer from
Qrene = +Q+(-Q)
= 0.
responent phracis is blood particle and
- tilend to the sharing Divid the retail
school enclosed by the Gaussian
3> 165-10 various out now boughous.
and tell tilled similarly and lover the
swiftence from the sequen b- ST KE is you, the electric field from the happen b- CYCE is also your
The sold was the said
Me electric fields for the
(A) The proint line outside the inner
(A) The proint lies outside the inner

(A) The point his outside the inner shall as med as the contex shall (2000) :- The magatine change resides on to the surface of the Spherical shall

spready on is vert tout purpour enclosed by the Gaussian surface. The positive charge (+Q) on the inner shall induces an equal and replyant energy (- a) can the since surface ref the router spherical shell for besolved spread bottout with sentin the legunsian surface from the Heguen M7K is; -912mg = + Q - Q The doctour field is revierly propos - tional to charge, since the total charge and jed hardran garand winface for the recycle 47R is your the electric field forthe regreen 97 7 R is seles your. ionger got roy bley protoels and i

MZR is yours.



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