Au 14) @ let us consider a small elemental area (dA = dady) at a

distance (a,y) from origin.

:.
$$df = \frac{G(\sigma dx dy)}{(x^2 + y^2 + z^2)^2}$$

$$F_{z} = \int \int \frac{4^{2} - 2 dx dy}{(x^{2} + y^{2} + 2^{2})^{3/2}}$$