

As per question,
$$T \propto P^a d^b E^c$$
 or $[T] = [P]^a [d]^b [E]^c$ or $[M^0 L^0 T^1] = [M L^{-1} T^{-2}]^a [M L^{-3}]^b [M L^2 T^{-2}]^c$ or $M^0 L^0 T^1 = M^{a+b+c} L^{-a-3b+2c} T^{-2a-2c}$ (i) $-a-3b+2c=0$ (ii) $-a-3b+2c=1$ (iii) Solving, eqns. (i), (ii) and (iii) we get $a=-5/6, b=1/2, c=1/3$.