Đáp Án

Môn thi : Kỹ thuật nâng - chuyển

HKII 2011 - 2012

Câu 1 : a) $- M_x = \frac{M_{tg}}{i} = 216.67$ (Nm)

$- M_p = \beta M_x = 399$ (Nm) 1,5đ

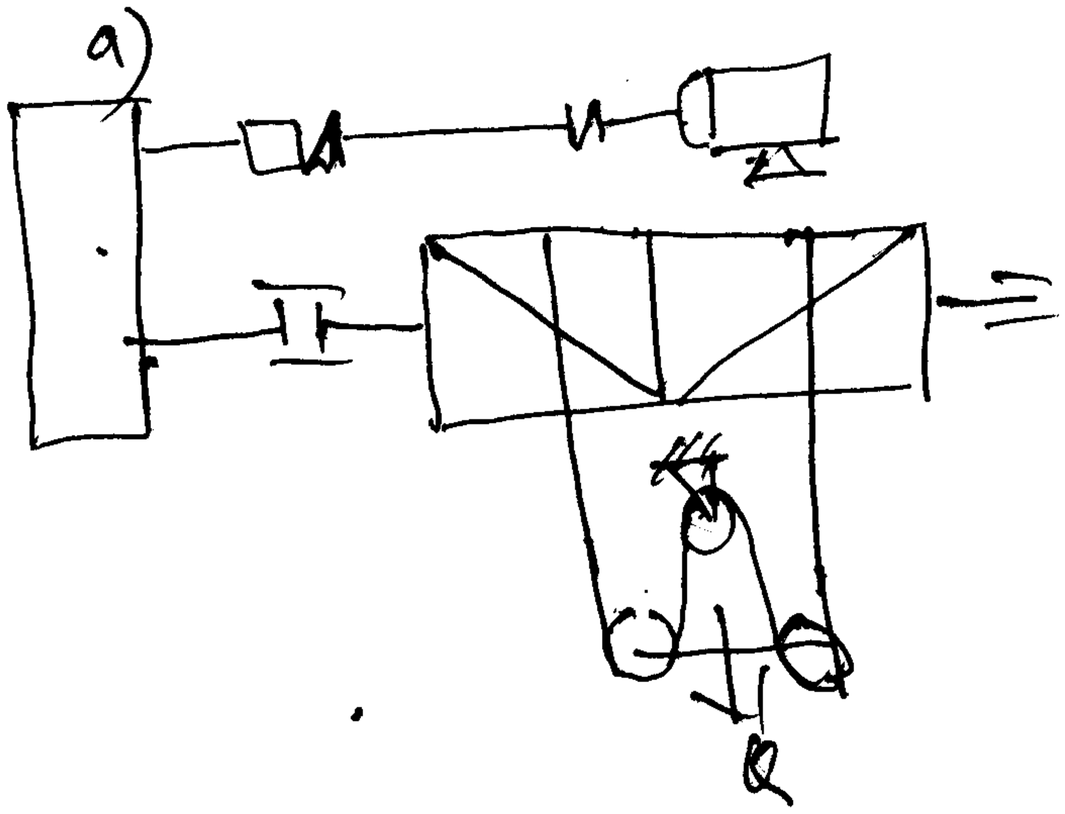
b) $- N = \frac{M_p}{D_t} = 3410$ (N) 1,5đ

b) $K = P_{thay} - P_{phụ} = \frac{M_p \cdot a}{\eta \cdot D_t \eta_c} = 1615$ (N)

c) $\Delta = 2\varepsilon \cdot \frac{l}{a} = 0.9$ (mm) 1đ

Câu 2

a) [1,5]



b) $S_{max} = \frac{Q}{n} \cdot \frac{1+\eta}{(1-\eta^2)} = \frac{Q}{2} \cdot \frac{1}{1+\eta} = 18,5$ KN. [1,5]

$S_t = n \cdot S_{max} = 18.5 \times 5.5 = \cancel{92,5\ kN} = 103125$ N

$d_c = 16,0$ mm.

c) $D_t = d_c (e-1) = 16,1 (20-1) = 272$ (mm). [1,5]

$L = \pi (D_t n + d_c n^2)$ ~~[1,5]~~

d) $- w = (G + G_0) \frac{fd_0 + 2k}{D_k} \cdot \beta$ [1,5]