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SECOND TERM EXAMINATION

PHYSICS SSS 2

TIME ALLOWED: 2hours

CONSTANTS

(Unless otherwise stated, use these constants:  $c=3\times10^8 \text{m/s}$ ;  $g=9.8\text{m/s}^2$ , Specific heat capacity of water=  $4200 \text{jkg}^{-1} K^{-1}$ , Specific heat capacity of aluminum =  $900 \text{jkg}^{-1} K^{-1}$ , Specific heat capacity of copper =  $400 \text{jkg}^{-1} k^{-1}$ , specific latent heat of vaporization of water (or steam) =  $2260000 \text{jkg}^{-1}$ , specific heat capacity of brass =  $380 \text{ jkg}^{-1} K^{-1}$ )

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