

Solutions for 3B4

1

c) 17.2 Hz

2.

3.

a) 1.3Nm

b) i) 4151 rpm

ii) 1.3 Nm

iii) 0.931 lagging

c) $k = 1.075 \text{ W/ degree C}$

$C = 55.9 \text{ J / degree C}$