Oxford Cambridge and RSA

GCSE (9–1) Combined Science B (Twenty First Century Science) Physics
J260 03/07

Data Sheet (Insert)

June 2019

INSTRUCTIONS
- Do not send this Data Sheet for marking; it should be retained in the centre or destroyed.

INFORMATION
- The information in this Data Sheet is for the use of candidates following GCSE (9–1) Combined Science B (Physics) (J260 03/07).
- This document consists of **2** pages.

Equations in physics

(final speed)^2 – (initial speed)^2 = 2 × acceleration × distance

change in internal energy = mass × specific heat capacity × change in temperature

energy to cause a change of state = mass × specific latent heat

energy stored in a stretched spring = ½ × spring constant × (extension)^2

potential difference across primary coil × current in primary coil =
potential difference across secondary coil × current in secondary coil

Higher tier only –

force = magnetic flux density × current × length of conductor

change in momentum = resultant force × time for which it acts