

ERRATUM NOTICE

Wednesday 22 May 2024 – Afternoon

AS Level Physics B (Advancing Physics)

H157/02 Physics in depth

FOR THE ATTENTION OF THE EXAMS OFFICER

To be opened on the day of the exam

Instructions to invigilators:

Before the start of the exam, give one copy of this erratum to each candidate.

Ask all candidates to correct **pages 5 and 7** of the **Data, Formulae and Relationships Booklet** as per the instructions to candidates below before starting the exam.

Instructions to candidates:

Add these equations to the **Data, Formula and Relationships Booklet**.

On **page 5** in the section **Motion and Forces**:

power

$$P = Fv, \quad P = \frac{\Delta E}{t}$$

In the same section **Motion and Forces**:

for circular motion

$$a = \frac{v^2}{r}, \quad F = \frac{mv^2}{r} = mr\omega^2$$

On **page 7** in the section **Field and Potential**:

gravitational fields

$$g = \frac{F}{m}, \quad E_{\text{grav}} = -\frac{GmM}{r}$$
$$V_{\text{grav}} = -\frac{GM}{r}, \quad F = -\frac{GmM}{r^2}$$

If you have any queries, please call our Customer Support Centre on 01223 553998 or email support@ocr.org.uk