

**INTEGRATION (Q 8, PAPER 1)**

**LESSON NO. 3: EXPONENTIAL INTEGRATION**

**2006**

8 (a) Find (ii)  $\int e^{-2x} dx$ .

**2005**

8 (a) Find (ii)  $\int e^{3x} dx$

**2003**

8 (a) Find (ii)  $\int e^{7x} dx$ .

**ANSWERS**

**2006** 8 (a) (ii)  $-\frac{1}{2}e^{-2x} + c$

**2005** 8 (a) (ii)  $\frac{1}{3}e^{3x} + c$

**2003** 8 (a) (ii)  $\frac{1}{7}e^{7x} + c$