Q.1 Evaluate

$$243^{\frac{4}{5}}$$

(2 marks)

Q.2 Evaluate

$$27^{\frac{4}{3}}$$

(2 marks)

Q.3 Simplify

$$f^5 \times (f^8)^{-4}$$

(2 marks)

Q.4 Simplify

$$\frac{5\,g^6 \times 5\,g^2}{g^{-1}}$$

(3 marks)

Q.5 Express in its simplest form.

$$q^{1/4}\,(\,q^{1/2} - q^{-1/2}\,)$$

(2 marks)

Q.6 Simplify

$$\frac{w^{1/7} \times w^{3/7}}{w}$$

(2 marks)

Q.7 Express the fraction in its simplest form.

$$\frac{i}{y} \times \frac{5\,y}{i^3}$$

(2 marks)