## SEQUENCES & SERIES (Q 5, PAPER 1)

## LESSON NO. 9: PROVING A SEQUENCE IS GEOMETRIC

## 2002

5 (c) The first three terms of a geometric sequence are

k-3, 2k-4, 4k-3,..... where k is a real number. (i) Find the value of k.

(ii) Hence, write down the value of each of the first four terms of the sequence.

**Answers 2002** 5 (c) (i) k = 7 (ii) 4, 10, 25,  $\frac{125}{2}$