## Sequences \& Series (Q 5, Paper 1)

## Lesson No. 3: Arithmetic Sequences I

## 2005

5 (a) The first term of an arithmetic sequence is 9 and the second term is 13 .
(i) Find the common difference.
(ii) Find the third term.

## 2004

5 (a) The first term of an arithmetic sequence is 40 and the common difference is -5 .
Write down the first five terms of the sequence.

## 2002

5 (a) Write down the next three terms in each of the following arithmetic sequences
(i) $-10,-8,-6, \ldots \ldots$
(ii) 4.1, 4.7, 5.3,.....

## 1998

5 (a) The first two terms of an arithmetic sequence are 17, 13,... Find
(i) d, the common difference
(ii) $T_{7}$, the seventh term.

| ANSWERS |  |
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| 20055 (a) (i) 4 | (ii) 17 |
| 20045 (a) $40,35,30,25,20$ |  |
| 20025 (a) (i) $-4,-2,0$ | (ii) $5.9,6.5,7.1$ |
| 19985 (a) (i) -4 | (ii) -7 |

