

SEQUENCES & SERIES (Q 5, PAPER 1)

LESSON No. 4: ARITHMETIC SEQUENCES II

2006

- 5 (a) The first term of an arithmetic sequence is 17 and the common difference is -8 . Find, in terms of n , an expression for T_n , the n th term.

2001

- 5 (a) 5, 13, 21, 29,.... is an arithmetic sequence. Which term of the sequence is 813?

1997

- 5 (b) The first four terms of an arithmetic sequence are given as

$$a, -4, b, 6, \dots$$

Find

- (i) the value of a and the value of b
- (ii) T_5 , the fifth term.

ANSWERS

2006 5 (a) $T_n = 25 - 8n$

2001 5 (a) 102