

**Question 1**

A class of 30 students counted the number of books in their bags on a certain day. The number of books in EACH bag is shown below.

5    4    6    3    2    1    7    4    5    3  
6    5    4    3    7    6    2    5    4    5  
5    7    5    4    3    2    1    6    3    4

- (a) Copy and complete the frequency table for the data shown above.

Number of Books ( $x$ )	Tally	Frequency ( $f$ )	$f \times x$
1		2	2
2		3	6
3			
4			
5			
6			
7			

(4 marks)

- (b) State the modal number of books in the bags of the sample of students. (1 mark)
- (c) Using the table in (a) above, or otherwise, calculate
- (i) the TOTAL number of books (2 marks)
- (ii) the mean number of books per bag. (2 marks)
- (d) Determine the probability that a student chosen at random has LESS THAN 4 books in his/her bag. (2 marks)

**Total 11 marks**