CLASS 11

STATISTICS

RANGE

EXERICSE

Q.1	Among the given sets, the set with the greatest range is:			
	(A) 17, 32, 24, 18, 3	5	(B) 19, 25, 34, 36, 27	7
	(C) 22, 15, 8, 19, 16		(D) 11, 24, 13, 9, 17	
Q.2	If the range of two data sets, a, 5, 9 and 4, 7, b, is 8, determine the range of the data			
	set a, 4, 5, 7, 9, b, where a is its minimum value and b is its maximum value.			
	(A) 25	(B) 13	(C) 22	(D) 11
Q.3	If the minimum passing score for a test is $50\ marks$ and a data set of scores for $5\ $			
	students who passed the exam is 55, 80, m, 66, 79, what is the value of m if the			
	range of the provided data is 31?			
	(A) 49	(B) 91	(C) 52	(D) 86
Q.4	If the range of the data set containing the values 9, 18, 4, 20, and x is 17, what are			
	the potential values for x?			
	(A) 3 or 21	(B) 7 or 23	(C) −2 or 26	(D) 3 or 13
Q.5	The range of the set comprising the values 35, 22, 10, 12, 17, and 32 is:			
	(A) 23	(B) 25	(C) 10	(D) 35

ANSWER KEY

- **1.** (A) 17, 32, 24, 18, 35
- **2.** (D) 11
- **3.** (D) 86
- **4.** (A) 3 or 21
- **5.** (B) 25