

Q.4 An IQ test was given to a large group of boy in the age group of 18-20 years, who scored an average of 62.5 marks. The same test was given to a fresh group of 100 boys of the same age group. They scored an average of 64.5 marks with an SD of 12.5 marks. Can we conclude that the fresh group of boys has better IQ

Q.3 The average marks scored by 32 boys is 72 with a SD of 8, while that for 36 girls is 70 with a SD of 6. Test at 1% LOS whether the boys perform better than girls.

Q.2 Test the significance of the difference b/w the means of the samples, drawn from two normal populations with the same SD using the following data —

(10)

	Size	Mean	SD
Sample 1	100	61	4
Sample 2	200	63	6

Q.1 A simple sample of heights of 6400 English men has a mean of 170 cm and a SD of 6.4 cm, while a simple sample of heights of 1600 Americans has a mean of 172 cm. and a SD of 6.3 cm. Do the data indicate that Americans are on the average taller than the Englishman?