**Qn 6**

The following are scores of IQ tests of a random sample of 18 students at a university:

130, 122, 119, 142, 136, 127, 120, 152, 141,

132, 127, 118, 150, 141, 133, 137, 129, 142

Assume the IQ scores are normally distributed

Construct a 95% confidence interval estimate of the average IQ score of all students at the university

**Qn 7**

A set of 10 determinations, by a method devised by the chemist Karl Fischer, of the percentage of water in a methanol solution yielded the following data:

0.50 0.55 0.53 0.56 0.54

0.57 0.52 0.60 0.55 0.58

Assuming normality, use these data to give a 95% confidence interval for the actual percentage.