**PMY8111 Section A Question 4**

**PLEASE STATE YOUR FIVE DIGIT ANONYMOUS CODE:**

The thermoresponsive polymer poly(N-Isopropylacrylamide) (PNIPAAm) has properties that make it useful for drug delivery.

(a) Fully explain how the thermoresponsive properties of this polymer enable in-situ implant formation.

[75%]

(b) List FIVE factors that can alter its lower critical solution temperature (LCST).

[25%]

Please write your answer between the lines above and below this sentence (you may delete this text)

**Please check you have entered your anonymous code at the top of the first page**

**For staff use only. Do not delete or alter this section in any way**

Marks awarded for this question: