Q1: when the temperature in a process is at its minimum the transducer outputs 2.4V

At maximum temperature it outputs 4.6 V . the A/D converter used to input these data into computer has the range 0 to 5 V . to provide maximum resolution design a zero and span circuit that can modify the transducer signal so that it fills the entire range of the converter

Q2: A sensor outputs 0 to 0.9 V

1. Develop a voltage to current converter so that this becomes 0 to 10 mA (if we have in its circuit )
2. Specify the maximum load resistance if the op amp saturates at