Unit 3
Lecture 3.5 Quiz

1) At relatively high degrees of rod volume fractions and low temperatures, one would expect which of the following phases to form?
   a. One phase isotropic
   b. Two phase isotropic
   c. Two phase nematic
   d. One phase nematic
   e. One phase disordered

2) The melting temperature of PCBM is approximately:
   a. 100 °C
   b. 150 °C
   c. 200 °C
   d. 220 °C
   e. 280 °C

3) The eutectic point of a blend of P3HT and PCBM occurs at
   a. Loadings that are not optimal for solar cell performance.
   b. Temperatures that are above the melting temperatures of the pure components.
   c. A P3HT weight fraction of ~0.65.
   d. Room temperature.
   e. Low loadings of P3HT.