

Assignment: 6 TWO PHASE HEAT TRANSFER

1. Explain the film boiling. Why is it avoided in practice?
2. Distinguish between
 - (a) Sub cooled and saturated boiling
 - (b) Nucleate and film boiling
3. Explain dropwise and film wise condensation
4. With the help of a neat sketch explain the various boiling regimes in the case of a pool boiling operation.
5. Discuss the various regimes in boiling and explain (i) the condition for the growth of bubbles and (ii) effect of bubble size on boiling
6. Explain nucleate boiling with mechanism of nucleate boiling.

