Note.  – Undergraduate student do only Prob. 1 and 4.

Prob. 1.  (3rd Edition)  Prob. 3.3
Prob. 2.  (3rd Edition)  Prob. 3.8
Prob. 3.  (3rd Edition)  Prob. 3.20
Prob. 4.  (3rd Edition)  Prob. 6.48 and 6.51