You have been asked to build a funds transfer system in which a payment is authorised only once it has been approved by both a manager and an accountant at a bank branch. How would you implement this system using this security mechanisms as the foundation? (10 marks)

Model answer

in Unix.

- (1) bookwork an ACL is an access matrix by columns and a capability is the same by columns
- (2)-bookwork for full marks, want not just usu/group for r/w/x but also suid, sgid
- (3) various possible resures but the newtest would involve use of groups and perhaps sgid applications that would nove transactions from 'unapproved' file to 'approved by accountant' to 'approved for release'. Some attention to role of root; night be adequate to have an audit will written to CD-ROM, or offsite, though preedwal controls might also be used.