Experiment 6

Aim:

To perform a network security audit for two IT companies, create suitable audit questionnaires, and prepare a network security audit checklist based on the 10 provided steps to evaluate network security health.

Network Security Audit Checklist:

Sr.No.	Audit Area	Audit Questionnaire	Company A	Company B	Remarks
1	Physical Security	Do you have a policy addressing physical security of Data Center?	Yes	Yes	Policy reviewed annually
2	Physical Security	Do you maintain register for entry/exit to data center?	Yes	No	Company B uses manual logs
3	Physical Security	Is there electronic access control (Swipe Card)?	Yes	No	Company B plans to install
4	Physical Security	Are temporary accesses recorded and removed post work?	Yes	Yes	Maintained digitally
5	Physical Security	Are visitors escorted to the data center?	Yes	Yes	Escort procedure followed
6	Physical Security	Security camera installed to monitor data center?	Yes	No	Company B uses local CCTV
7	Environmental Control	Fire suppression & detectors available and tested?	Yes	Yes	Tested last month
8	Environmental Control	Redundant cooling and UPS backup available?	Yes	Yes	UPS tested quarterly
9	Change Management	Change management policy implemented?	Yes	No	Company B follows ad-hoc changes
10	Inventory Control	Inventory of assets maintained and reviewed?	Yes	Yes	Updated monthly
11	Incident Management	Incident management policy defined?	Yes	No	Lacking formal documentation
12	Incident Management	Are incidents recorded & RCA done?	Yes	No	Company A uses ticket system
13	Disaster Recovery	Disaster Recovery plan documented?	Yes	Yes	Reviewed annually
14	Disaster Recovery	DR site tested periodically?	Yes	No	Company B test pending