Chapter 11 Homework

1. Your manager wants you to design the access control mechanisms for the company. You  
are working on the administrative controls. Which of the following is considered an  
administrative control?  
D. Employee screening

2. While implementing the physical controls in your environment, you installed a burglar alarm  
system. What class of control is a burglar alarm system?  
B. Detective

3. You work for a small company as the network administrator and the security officer. You are  
responsible for all network administration tasks and security tasks such as security audits. What  
security principle has been violated?  
C. Separation of duties

4. Which access control model involves assigning classification labels to information to decide who  
should have access to the information?  
A. MAC

5. What access control model involves having privileges assigned to groups so that anyone who is  
placed in the group has that privilege?  
C. Role-based access control

6. What access control model involves configuring permissions on a resource such as a file or folder?  
B. Discretionary access control

7. When configuring a MAC model, the security clearance is assigned to which of the following?  
D. Subject

8. You are configuring a firewall to allow only certain packets to pass through. What type of access  
control model is being used?  
C. Rule-based access control

9. You are responsible for configuring the security on your company server. You have decided  
to grant permissions to the Marketing folder if a user account’s Department property is set to  
Marketing and its City property is set to London. What access control model are you using?  
D. ABAC

10. You have configured an access list on your Cisco router to allow and deny a number of different  
types of traffic. The access list denies any traffic that does not match any of the rules. What  
security principle is being used here?  
A. Implicit deny

11. What Linux command is used to change permissions on a file?  
B. chmod

12.

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| **Physical Control** | **Logical Control** | **Admin Control** |
| Lockdown Cable | Security awareness | Firewall |
| Surveillance camera | Employee screening | Antivirus software |
|  | Password policy |  |