

## Laboratorio di Amministrazione di Sistema (C62032)

### parte A : domande a risposta multipla

1. Which two of the following statements correctly describe audit trails? (Choose two.)
  - a) Audit trails secure a network.
  - b) Audit trails help maintain security on a network.
  - c) Audit trails back up data on a network.
  - d) Audit trails are used to recover lost data.
  - e) Audit trails are used to allocate network resources.
2. Which two options accurately describe network security? (Choose two.)
  - a) As security increases, the level of accessibility increases.
  - b) As security increases, the level of accessibility decreases.
  - c) Users want more accessibility and administrators want more security.
  - d) The level of security required is the same for all organizations.
3. What is the best way for an administrator to determine if a server is overloaded?
  - a) ask users if the service has declined
  - b) keep a record of the frequency of server crashes
  - c) monitor the network load and note when it becomes very high
  - d) check the server log files
4. An administrator is responsible for a mixed Linux/Windows network. The administrator has configured a new computer with the Windows XP operating system. The administrator then attempts to ping it from a Linux computer but fails. What should the administrator do next?
  - a) try to ping the Windows computer from another Windows computer
  - b) run `ifconfig` on the Linux machine and specify the IP address of the Windows computer
  - c) run `ipconfig` on the Windows machine to ensure it is set up correctly
  - d) run `ping 127.0.0.1` on the Windows system
5. Which of the following statements is true about the use of Performance Tool?
  - a) Performance Tool is only available for use on Linux computers.
  - b) Performance Tool should be used sparingly since it uses valuable system resources.
  - c) Performance Tool can only be used to monitor network computers.
  - d) Performance Tool can only be used in conjunction with a pre-established baseline.
6. Which Linux command can be used to terminate a group of processes that have the same name instead of terminating them with their PID numbers?
  - a) `term`
  - b) `stop`
  - c) `killall`
  - d) `halt`
7. On a Linux system, which configuration files contain user account information? (Choose two.)
  - a) `\etc\shadow`
  - b) `/etc/passwd`
  - c) `/etc/user/passwd`
  - d) `\etc\passwd`
  - e) `/etc/shadow`
  - f) `/etc/user/passwd`
8. In Linux, which command is used to rename a directory?
  - a) `mv`
  - b) `cd`
  - c) `dir`
  - d) `mkdir`

**NB: questo foglio verrà ritirato dopo 15 minuti dall'inizio dell'esame.**

candidato: \_\_\_\_\_ matricola: \_\_\_\_\_

**SPAZIO PER LA VALUTAZIONE:** *il candidato riporti su questo lato del foglio le soluzioni relative ai quesiti 1-8 a risposta multipla.*

**Criteri di valutazione:** *le domande 1-8 valgono un punto per ogni quesito corretto, mentre le domande 9-12 valgono sei punti ciascuna (al massimo, graduati in base alla correttezza della risposta),.*

#	risposta/e						punti
1	a	b	c	d	e	f	
2	a	b	c	d	e	f	
3	a	b	c	d	e	f	
4	a	b	c	d	e	f	

#	risposta/e						punti
5	a	b	c	d	e	f	
6	a	b	c	d	e	f	
7	a	b	c	d	e	f	
8	a	b	c	d	e	f	

	valutazione parziale	punti
9		
10		
11		
12		

<p style="font-size: 1.2em; margin: 0;">TOTALE</p>
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## Laboratorio di Amministrazione di Sistema (C62032)

*parte B : domande a risposta breve*

9. Descrivere brevemente che cos'è la crittografia, i concetti base della cifratura simmetrica e quella asimmetrica, e come si risolve il problema dell'autenticazione.

[illegible]

10. Descrivere a cosa servono, con che S.O. si possono richiamare e come si utilizzano i comandi `ifconfig` e `netstat`.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

11. Descrivere che cosa sono e come si utilizzano i bit di permessi SUID e SGID implementati in ambiente Linux.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

12. Spiegare che cos'è uno script in ambiente Linux, proporne uno qualsiasi e commentarlo.

[illegible]