AlMustafa University
Cybersecurity Engineering Department

Linux Systems Administration - Mid-Term Exam

Instructor: Dr. Husam Alkinani
Date: November 2, 2025

Exam Sheet: _____
Duration: A

Student Name: _____

Student ID: _____

Instructions: Answer all questions clearly. Execute commands in your Linux terminal. Write legibly. **Total: 20 points**

Answer Key Access:
Scan QR code with mobile camera for secure answer verification
Private GitHub repository access

Question 1: Practical Command Execution *(10 points)*

Execute the following command in your Linux terminal and document the complete output:

```
ls -l /etc/passwd
```

Command Output:

Write your answer here:

Explanation: Describe what information this command displays (2-3 lines):

_____

_____

_____

Question 2: Theoretical Knowledge *(10 points)*

Multiple Choice Question:
In Linux file permissions, what does the notation "rwx" represent?

a) read, write, execute

b) root, web, extra

c) run, wait, exit

d) red, white, expert

Your Answer: _____
Justification (1 line): _____

AlMustafa University
Cybersecurity Engineering Department

Linux Systems Administration - Mid-Term Exam

Instructor: Dr. Husam Alkinani   **Exam Sheet:** B
Date: November 2, 2025   **Duration:** 30 minutes

Student Name: _____   **Student ID:** _____

Instructions: Answer all questions clearly. Execute commands in your Linux terminal. Write legibly. **Total: 20 points**

Answer Key Access:
Scan QR code with mobile camera for secure answer verification
Private GitHub repository access

Question 1: Practical Command Execution   *(10 points)*

Execute the following command in your Linux terminal and document the complete output:

```
whoami
```

Command Output:

Write your answer here:

Explanation: Describe the function and purpose of this command (2-3 lines):

_____
_____
_____

Question 2: Theoretical Knowledge   *(10 points)*
Multiple Choice Question:
Which Linux distribution is specifically designed for cybersecurity professionals and penetration testing?

a) Windows Operating System

b) Kali Linux

c) Microsoft Office Suite

d) Google Chrome Browser

Your Answer: _____
Justification (1 line): _____

AlMustafa University
Cybersecurity Engineering Department

Linux Systems Administration - Mid-Term Exam

Instructor: Dr. Husam Alkinani
Date: November 2, 2025

Exam Sheet: C
Duration: 30 minutes

Student Name: _____

Student ID: _____

Instructions: Answer all questions clearly. Execute commands in your Linux terminal. Write legibly. **Total: 20 points**

Answer Key Access:
Scan QR code with mobile camera for secure answer verification
Private GitHub repository access

Question 1: Practical Command Execution   *(10 points)*

Execute the following command in your Linux terminal and document the complete output:

```
pwd
```

Command Output:

Write your answer here:

Explanation: Describe what information this command provides (2-3 lines):

_____

_____

_____

Question 2: Theoretical Knowledge   *(10 points)*

Multiple Choice Question:

What does the Linux command 'sudo' stand for?

a) Super user do

b) System update download only

c) Secure user data online

d) Start up disk operations

Your Answer: _____

Justification (1 line): _____

Linux Systems Administration - Mid-Term Exam

Instructor: Dr. Husam Alkinani

Exam Sheet: D

Date: November 2, 2025

Duration: 30 minutes

Student Name: _____

Student ID: _____

Instructions: Answer all questions clearly. Execute commands in your Linux terminal. Write legibly. **Total: 20 points**

Answer Key Access:

Scan QR code with mobile camera for secure answer verification

Private GitHub repository access

Question 1: Practical Command Execution
(10 points)

Execute the following command in your Linux terminal and document the complete output:

```
df -h
```

Command Output:

Write your answer here:

Explanation: Describe what information this command displays (2-3 lines):

_____

_____

_____

Question 2: Theoretical Knowledge
(10 points)

Multiple Choice Question:

What does the 'df -h' command display in Linux?

a) Directory file listing

b) Disk space usage in human-readable format

c) Date and file information

d) Default filesystem type

Your Answer: _____

Justification (1 line): _____

Linux Systems Administration - Mid-Term Exam

Instructor: Dr. Husam Alkinani

Exam Sheet: E

Date: November 2, 2025

Duration: 30 minutes

Student Name: _____

Student ID: _____

Instructions: Answer all questions clearly. Execute commands in your Linux terminal. Write legibly. **Total: 20 points**

Answer Key Access:
Scan QR code with mobile camera for secure answer verification
Private GitHub repository access

Question 1: Practical Command Execution
(10 points)

Execute the following command in your Linux terminal and document the output:

```
uname -a
```

Command Output:

Write your answer here:

Explanation: Describe what system information this command provides (2-3 lines):

_____

_____

_____

Question 2: Theoretical Knowledge
(10 points)

Multiple Choice Question:

What type of information does the 'uname -a' command display?

a) User account names and passwords

b) Complete system information including kernel version

c) Network configuration details

d) Disk usage and filesystem information

Your Answer: _____

Justification (1 line): _____

AlMustafa University
Cybersecurity Engineering Department

Linux Systems Administration - Mid-Term Exam

Instructor: Dr. Husam Alkinani

Date: November 2, 2025

Exam Sheet: F

Duration: 30 minutes

Student Name: _____   **Student ID:** _____

Instructions: Answer all questions clearly. Execute commands in your Linux terminal. Write legibly. **Total: 20 points**

Answer Key Access:
Scan QR code with mobile camera for secure answer verification
Private GitHub repository access

Question 1: Practical Command Execution *(10 points)*

Execute the following command in your Linux terminal and document the output:

```
top
```

Command Output:

Write your answer here:

Explanation: Describe what information the 'top' command displays (2-3 lines):

_____

_____

_____

Question 2: Theoretical Knowledge *(10 points)*

Multiple Choice Question:

What is the primary purpose of the 'top' command in Linux system administration?

a) Display static file system information

b) Monitor real-time system processes and resource usage

c) Configure network interfaces

d) Manage user accounts and permissions

Your Answer: _____

Justification (1 line): _____