Laboratory Practical / Experiments Report

One of the requirements for obtaining an oral / practical degree for a course

Computer Network (1), CCE 462
Fourth Year
Computer and Control Eng. (CCE) Program
Regulation (2019)
First Semester, 2023/2024

- **Student name:** يكتب الإسم رباعي طبقا لما هو موجود في كشف التسجيل للطلاب باللغة الإنجليزية

- **Student Code:**

- **Section number:**

- **Student number in the registration statement:** يكتب رقم الطالب في كشف التسجيل في الفصل
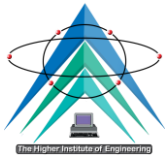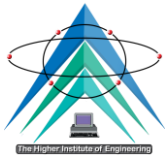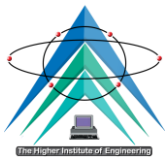
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Important Instructions:

- The student must complete the experiment at the end of the practical session and go to the instructor to evaluate the experiment.

- Students must interest in writing, drawing and pictures.

- The practical / experiment report should be well coordinated.

- I hope all students to depend on themselves in preparing this report and not to make any transfer attempts from their colleagues.

- If there are similar reports, these students will be evaluated with a zero score for them.

- The student can add any pages he wishes to add after the end of each experiment, if he considers the general format of the report.

- Failure to comply with any of the above important instructions will expose you to losing scores.
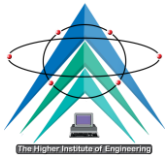
Student Name:
Student:
Student number in the registration statement:

Experiment No.	Evaluation
Experiment (1): Network Components (Devices, Connectors, Cables, and Cards)	$\overline{5}$
Experiment (2): Networking Tools and Tests	$\overline{5}$
Experiment (3): Connection Types (Straight Cable, Crossover Cable, Rollover Cable)	$\overline{5}$
Experiment (4): Network Topologies	$\overline{5}$
Experiment (5): TCP/IP Configuration	$\overline{5}$
Experiment (6): IP Subnetting Distribution	$\overline{5}$
Experiment (7): Design and Implementation of an Integrated Network	$\overline{10}$
Final Evaluation	$\overline{40}$

Signature

Dr. Mohamed A. Abdelhamed
Eng.

Student Name:
Student:
Student number in the registration statement:

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Experiment (6): IP Subnetting Distribution	$\overline{5}$
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Final Evaluation	$\overline{40}$

Signature

Dr. Mohamed A. Abdelhamed
Eng.

Experiment (1)

Network Components (Devices, Connectors, Cables, and Cards)

1.1 Objectives

1.2 Equipment / Program Requirements:

1.3 Experiment Setup:

1.4 Simulation Results:

1.5 Conclusions:

Experiment (2)

Networking tools and tests

2.1 Objectives

2.2 Equipment / Program Requirements:

2.3 Experiment Setup:

2.4 Simulation Results:

2.5 Conclusions:

Experiment (3)

Connection Types (Straight Cable, Crossover Cable, Rollover Cable)

3.1 Objectives

3.2 Equipment / Program Requirements:

3.3 Experiment Setup:

3.4 Simulation Results:

3.5 Conclusions:

Experiment (4)

Network Topologies

4.1 Objectives

4.2 Equipment / Program Requirements:

4.3 Experiment Setup:

4.4 Simulation Results:

4.5 Conclusions:

Experiment (5)

TCP/IP Configuration

5.1 Objectives

5.2 Equipment / Program Requirements:

5.3 Experiment Setup:

5.4 Simulation Results:

5.5 Conclusions:

Experiment (6)

IP subnetting distribution

6.1 Objectives

6.2 Equipment / Program Requirements:

6.3 Experiment Setup:

6.4 Simulation Results:

6.5 Conclusions:

Experiment (7)

Design and Implementation of an Integrated Network

7.1 Objectives

7.2 Equipment / Program Requirements:

7.3 Experiment Setup:

7.4 Simulation Results:

7.5 Conclusions: