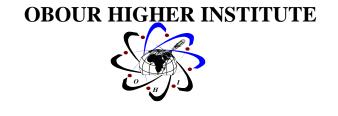
#### MINISTRY OF HIGHER EDUCATION Electrical Engineering Department 5<sup>th</sup> Year, Computers and Control Section 15 April 2020 Student Name:



2<sup>nd</sup> Semester, 2019/2020 Course Code: ELE 577 Time: 1.00 Hr

# **NEURAL NETWORKS**

The Exam. consists of Three Questions in one page

**Evaluation Test** 

## Question (1)

- (a) What is counter propagation neural network (CPNN)?
- (b) What are the types of CPNN?

#### Question (2)

Explain with an example how neural networks can be used for pattern recognition.

## Question (3)

What is the chain rule used in supervised learning of neural networks using back propagation

Course Coordinator

Prof. Adel Abdel Masieh Saleeb

Exam. Date: 15 April 2020.