Philadelphia University

Faculty of Engineering

Student Name:
Student Number:
Serial Number:

Second Quiz, First Semester: 2019/2020
Dept. of Communication & Electronics Engineering

Course Title:	Signals and Systems	**Date:**	08/12/2019
Course No:	650320 +640543	**Time Allowed:**	10 minutes
Lecturer:	Dr. Qadri Hamarsheh	**No. Of Pages:**	1

Instructions:
- **ALLOWED**: pens and drawing tools (**no red color**).
- **NOT ALLOWED**: Papers, literatures and any handouts. Otherwise, it will lead to the non-approval of your examination.
- **Shut down** Telephones, and other communication devices**.**

Please note:
- *This quiz paper contains 1 question totaling 5 marks.*

Question 1   *(5 marks)*

Compute using **Graphically Method** the convolution:

$$y(n) = \sum_{k=-\infty}^{\infty} x(k) \cdot h(n-k) = x(n) * h(n)$$

of the signals:

$$x[n] = \{1, \ 1, \ 1\}; \qquad 0 \le n \le 2$$
$$h[n] = \{0.5, \ 2, \ 2.5, \ 1\}; \quad 0 \le n \le 3$$

Solution

GOOD LUCK