

Philadelphia University

Faculty of Engineering



Student Name:
Student Number:
Serial Number:

First Quiz, First Semester: 2019/2020

Dept. of Communication & Electronics Engineering

Course Title:	Probability and Random Variables	Date:	06/11/2019
Course No:	650364	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)

There are 200 birds in a zoo, 70 birds are male with brown eyes and 100 birds are female with brown. 20 of the birds are male with blue eyes and 10 birds are female with blue eyes.

If a bird is selected at random what is the probability that the bird is

- a) Female?
- b) A male with brown eyes?
- c) A female given that it has brown eyes?
- d) A male given that it has blue eyes?
- e) A creature with blue eyes given that it's a female

Solution

GOOD LUCK