+1/1/60+

COM-301 Midterm #2

28 November 2019

Identification
Please encode your SCIPER on the right (one digit per column), and write your first and last name below.

First Name and Last Name:

.....

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☐0 ☐0 ☐0 ☐0 ☐0 ☐0
☐1 ☐1 ☐1 ☐1 ☐1 ☐1
☐2 ☐2 ☐2 ☐2 ☐2 ☐2
☐3 ☐3 ☐3 ☐3 ☐3 ☐3
☐4 ☐4 ☐4 ☐4 ☐4 ☐4
☐5 ☐5 ☐5 ☐5 ☐5 ☐5
☐6 ☐6 ☐6 ☐6 ☐6 ☐6
☐7 ☐7 ☐7 ☐7 ☐7 ☐7
☐8 ☐8 ☐8 ☐8 ☐8 ☐8
☐9 ☐9 ☐9 ☐9 ☐9 ☐9

INSTRUCTIONS
The exam must be completed with a PEN that is BLUE or BLACK. Pencil will not be corrected (the question will count as 0).
Books, calculators, phones, and laptops are **not** allowed during the exam.

Part 1: Multiple-choice questions
Mark the correct answer by *completely* filling in the corresponding square (■).
There is **only one** correct answer per question.
Each correct answer earns +1 point. Incorrect answers have a penalty of -0.5 points each. No answer neither adds nor subtracts points. Multiple marked answers are considered incorrect and will result in -0.5 points.
Use white-out fluid to change (delete) an answer (other deletions yield -0.5).
Read the answers carefully, the template may split the answers across columns.

Question 1 **[Network Security]** Border Gateway Protocol (BGP) hijacking is a suitable attack to:

- ☐ Redirect traffic by guessing sequence numbers
- ☐ Redirect traffic from machines within the same LAN as the victim
- ☐ Redirect traffic by changing correspondences between IP addresses and domain names
- ☒ Redirect traffic to routers under the adversary's control without being on the same network as the victim

Question 2 **[Attacks]** To do a cross site scripting attack it is essential that:

- ☐ Cookies hold authentication information
- ☐ There is a web form to feed Javascript code to the server
- ☐ It is possible to abuse the privileges of a confused deputy
- ☒ The input received by the server is not correctly sanitized