Roll No											

PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF ENGINEERING
MID TERM EXAMINATION - APR 2023

Semester : Semester VI - 2020
Course Code : CSE3145
Course Name : Sem VI - CSE3145 - Intrusion Detection and Prevention System
Program : CCS

Date : 15-APR-2023
Time : 9:30AM - 11A
Max Marks : 60
Weightage : 30%

Instructions:
(i) Read all questions carefully and answer accordingly.
(ii) Question paper consists of 3 parts.
(iii) Scientific and non-programmable calculator are permitted.
(iv) Do not write any information on the question paper other than Roll Number.

PART A

ANSWER ALL THE QUESTIONS **(10 X 2 = 20M)**

1. State the advantages of using intrusion analysis for security professionals.
(CO1) [Knowledge]

2. State some drawbacks of using agents in architectural model of IPS.
(CO1) [Knowledge]

3. State the definition of vulnerability assessment.
(CO1) [Knowledge]

4. List merits and demerits of Stateful Protocol Analysis.
(CO1) [Knowledge]

5. List the deployment options of host IDPSs.
(CO1) [Knowledge]

6. State the basic functions of manager in IDPS?
(CO2) [Knowledge]

7. Describe the locations where we can install agents in NIDS.
(CO2) [Knowledge]

8. List the main differences between a vulnerability and an exploit?
(CO2) [Knowledge]

9. Define the meaning of tuning in IDPS.
(CO2) [Knowledge]

10. Define Network Behavior Analysis?
(CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS **(4 X 5 = 20M)**

11. Describe the different types of Intrusion Prevention System.

(CO1) [Comprehension]

12. Classify between Firewall, Intrusion Detection System and Intrusion Prevention System.

(CO1) [Comprehension]

13. Discuss the different types of threats that can be prevented by a good WIPS.

(CO2) [Comprehension]

14. Explain various wireless threats with example.

(CO2) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS **(2 X 10 = 20M)**

15. Interpret the various detection methodologies used by both IDS and IPS?

(CO1) [Application]

16. Describe the anomaly based detection model with proper explanation and diagram.

(CO2) [Application]