14ITU34

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2019
(Sixth Semester)

Branch – INFORMATION TECHNOLOGY

INFORMATION SYSTEM SECURITY

Time : Three Hours   Maximum : 75 Marks

SECTION-A (20 Marks)
Answer ALL questions
ALL questions carry **EQUAL** marks   (10 x 2 = 20)

1   Define Cryptography.
2   Who are Computer Criminals?
3   List Malicious Code's characteristics.
4   Write the basic form of Protection.
5   What is meant by Element Integrity?
6   Define State Constraints.
7   Define Computer Networks.
8   What is End-to-End Encryption?
9   What is meant by Copyrights?
10   What is Anonymity?

SECTION - B (25 Marks)
Answer ALL Questions
ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

11 a   State and explain about Hash Algorithm.
             OR
    b   Discus about method of Defense.

12 a   Write note on Control against Program Threads.
             OR
    b   Explain about the Control of Access to general Objects.

13 a   List out requirements of Database Security.
             OR
    b   Discuss about Trusted Front End.

14 a   Discuss about threats in network.
             OR
    b   Elaborate Security Planning.

15 a   Discuss legal issues relating to information.
             OR
    b   How to protect program and data? Explain.

SECTION - C (30 Marks)
Answer any THREE Questions
ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

16   Explain Public Key Cryptography.

17   Discuss in detail about Memory and address protection.

18   Write note on Sensitive Data with examples.

19   Explain Firewalls.

20   Elucidate Ethical Issues in Computer Society.

Z-Z-Z   END