BACHELOR OF COMPUTER APPLICATIONS (C.B.C.S.) (2014 COURSE)
B.C.A. Sem-VI :SUMMER- 2022
SUBJECT : INFORMATION SECURITY

Day : Friday   Time : 02:00 PM-05:00 PM
Date : 10/6/2022   **S-11057-2022**   Max. Marks : 60

N.B.:

1) Attempt **ANY FOUR** questions from Section – I and **ANY TWO** questions from Section – II.
2) Figures to the right indicate **FULL** marks.
3) Answer to both the sections should be written in **SAME** answer books.

SECTION – I

Q.1   Describe components of Information System.   **(15)**

Q.2   What are the different threats to information security?   **(15)**

Q.3   What are the various attacks types used against system?   **(15)**

Q.4   What is Risk Control Strategies?   **(15)**

Q.5   Explain how digital signature works for information security.   **(15)**

Q.6   What are the different generations of Firewall?   **(15)**

Q.7   Write a short note on : - **(Any Three)**   **(15)**

    a)   Malware
    b)   CBA
    c)   Digital Cash
    d)   Bit commitment

SECTION - II

Q.8   What is Intrusion Detection System? How it can be used for providing security.   **(20)**

Q.9   Discuss various topologies in detail with example.   **(20)**

Q.10 How does virtual private network work? Write application of VPN. Mention uses   **(20)**
of VPN of in any organization.

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