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BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2018 COURSE)

B.C.A. Sem-V : WINTER- 2022

SUBJECT : INFORMATION SECURITY CONCEPTS

Day : Thursday

Time : 02:00 PM-05:00 PM

Date : 8/12/2022

W-22708-2022

Max. Marks : 60

N.B.

- 1) **Q.No.4** from Section – I is **COMPULSORY**.
- 2) Answer **ANY TWO** from Q, 1, 2, 3 in section – I.
- 3) Answer **ANY TWO** from Q, 5, 6, 7 in section – II.
- 4) Figure to the right indicate **FULL** marks.
- 5) Answers to both the sections should be written in **SAME** answer book.
- 6) Draw neat and labelled diagram **WHEREVER** necessary.

SECTION - I

Q.1 Answer the following:

- a) Explain CIA triad for information security? (06)
- b) Explain in brief security measures to be taken for the information from unauthorized user. (06)

Q.2 Answer the following:

- a) Discuss in brief windows security Measures. (06)
- b) Discuss in detail command line interface. (06)

Q.3 Answer the following:

- a) Describe in detail how to secure local area and wide area network. (06)
- b) Explain in brief various measures to protect operating system. (06)

Q.4 Write short notes on any **THREE** of the following (12)

- a) Virtual Private Network
- b) ITIL Framework
- c) WLAN Security
- d) Fire Protection measures
- e) Cyber crime

SECTION - II

Q.5 Answer the following:

- a) Explain in detail parameters to be considered while designing secure network. (06)
- b) What are compliance standards? Explain in detail about ISO 27001 standard. (06)

Q.6 Answer the following:

- a) Discuss different access control methods for file. (06)
- b) What are the concepts of Network security? (06)

Q.7 Answer the following:

- a) What is Firewall? Explain in detail types and function of Firewall? (06)
- b) Suggest secure coding techniques for a Web Application. (06)

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