Roll No. _____

BTCS503N

B.Tech./ B.Tech.+ M.B.A. / B.Tech. + M.Tech. (CSE /IT/ CSE-CF / CSE-BDA/ CSE-BDCE/ CSE- ES/ CSE-MA)

V Semester Examination, June-July 2024

Cyber and Network Security

Choice Based Credit System (CBCS)

Time: 3 Hrs.   **Maximum Marks   : 60**

Minimum Pass Marks: 24

Note: (1) *All questions carry equal marks, out of which part 'A' and 'B' carry 3 marks and part 'C' carries 6 marks.*

(2) *From each question, part 'A' and 'B' are compulsory and part 'C' has internal choice.*

(3) *Draw neat diagram, wherever necessary.*

(4) *Assume suitable data wherever necessary.*

Q.1.(A)	Define cyber crime with an example.	03
(B)	Explain Confidentiality, Integrity and Authentication.	03
(C)	Classify different types of cyber crimes in Indian perspective in detail with examples.	06

OR

What do you mean by cyber attack? Differentiate between Active Attack and Passive Attack with examples.

Q.2.(A)	Write a short note on Social Engineering and Cyber Stalking.	03
(B)	How credit card frauds can be prohibited?	03
(C)	What is known as fuel of Cybercrime? How Botnets work and draw their architecture.	06

OR

What are the challenges faced by cyber cops and government in order to solve cyber crime cases.

Q.3.(A)	Write a short note on proxy server and anonymizers.	03
(B)	Differentiate between DoS and DDoS attacks.	03
(C)	What are different types of malicious software? Explain in detail.	06

OR

Explain different tools and methods used to commit cyber crime.

Q.4.(A)	What is computer forensics?	03
(B)	When and why IT Amendment Act is introduced?	03
(C)	Write salient features of Information Technology Act 2000.	06

OR

Draw digital forensic life cycle and explain its different stages in detail.

Q.5.(A) What is IP Security?   03

   (B) How cloud security is performed?   03

   (C) What are the different elements of wireless networks? Also mention different wireless network security techniques.   06

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OR

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Which factors are responsible for electronic mail security? Explain in detail.

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