



K. K. Wagh Institute of Engineering Education & Research, Nashik
(An Autonomous Institute From A.Y. 2022-23)

SUMMER-2024	
Exam Seat No.:	
Academic Year:2023-2024	Semester:III
Class:PG-II	Program:MCA
Branch Code:M.C.A.	Pattern:2022
Name of Course:Elective II: A: Information and Network Security	Course Code:MCA223004A
Max. Marks:60	Duration:2.30 Hrs.

Instructions: Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.

1. This question paper contains 2 page(s).
2. Answer to each new question is to be started on a new page.
3. Assume suitable data wherever required, but justify it.
4. Draw the neat labelled diagrams, wherever necessary.
5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.

Question No. 1 Attempt following Question

- 1a) Describe Security Attack with its types. (6) CO1

Question No. 2 Attempt following Question

- 2a) Illustrate Substitution Techniques with examples. (6) CO2

Question No. 3 Attempt following Question

- 3a) Analyze Symmetric Cipher Model. (8) CO3

OR

- 3b) Simplify Mobile device security and its Elements in detail (8) CO3

- 3c) Examine Mobile Device Security and its Threats in brief (8) CO3

OR

- 3d) Classify following Extensible Authentication Protocols. (8) CO3

Question No. 4 Attempt following Question

- 4a) Explain the working of Domain Keys Identified Mail (8) CO4

OR

- 4b) Justify the working of Pretty Good Privacy and Explain PGP in detail. (8) CO4

OR

- 4d) Justify Secure Socket Shell and Show the working of SSH (8) CO4

Question No. 5 Attempt following Question

- 5a) Summarize Cyber security and Phishing with Example. (8) CO5

OR

- 5b) Justify Types of Virus. (8) CO5

- 5c) Compare Spyware, Adware and Ransomware. (8) CO5

OR

- 5d) Summarize IDS with their types in detail (8) CO5

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