# TONTADARYA COLLEGE OF ENGINEERING

## Department of Computer Science &Engineering

## Internal Assessment – III  18CS52

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|---|---|---|---|
| Subject | :Computer Networks and Security | Date | : 01-02-2022 |
| Semester | : 5th | Time | : 12.00 to 1.30pm |

*Answer following questions choosing one question from each part*                    Total Marks: 50

### PART-A

Q1. a) What is Network Security? Explain properties of secure communication                    13 M (CO4)

b) Explain principles cryptography                    12 M (CO4)

Q2. a) Explain RSA algorithm                    13 M (CO4)

b) Explain cryptographic Hash functions                    12 M (CO4)

### PART-B

Q3. a) Explain Digital signature in detail.                    13 M (CO4)

b) Explain authentication protocol ap1.0 and ap2.0                    12 M (CO4)

Q4. a) Explain securing Email                    13 M (CO4)

b) Explain SSL and ESP protocol                    12 M (CO4)

*******ALL THE BEST*******

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|---|---|
| CO2 | Outline transport layer services and infer UDP and TCP protocols (CO2) |
| CO3 | Classify routers, IP and Routing Algorithms in network layer    (CO3) |