



## End Semester Examination

May-June 2023

### CET3004B - Information and Cyber Security

Schedule ID: 19070

Faculty/School	Faculty of Engineering & Technology	Term	IV
Program	Second Year B. Tech	Duration	1 Hours 30 Minutes
Specialization		Max. Marks	40

Read the instructions provided for every question properly before attempting the answer.

**Section - 1 :** contain(s) 10 question(s) and each question carries 5 mark(s). You can answer any 8 questions out of 10.

Click **Finish** only after completion of the Exam.

#### Section - 1 (8 X 5 Marks)

Answer any 8 questions

1	Explain the Feistel cipher in detail.	5 marks	CO1	Understanding
✓2	Explain the RSA algorithm with a suitable example.	5 marks	CO2	Understanding
✓3	Explain digital certificate creation steps.	5 marks	CO2, CO3	Understanding
✓4	List the various public key distribution approaches and explain any one with a suitable diagram.	5 marks	CO3	Understanding
5	Explain in brief the different ways of authentication.	5 marks	CO4	Understanding
✓6	Discuss the secure socket layer handshake protocol.	5 marks	CO3	Understanding
✓7	Explain different types of intrusion detection systems.	5 marks	CO2, CO4	Understanding
✓8	Explain ransomware attack with example.	5 marks	CO5	Analysing
✓9	Explain Email Bombing and Logic Bomb.	5 marks	CO5	Understanding
✓10	What do you mean by a DDoS attack? How to prevent it.	5 marks	CO5	Analysing

END OF QUESTION PAPER