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Department of Research & Development
Mid - Term Examinations – SEPTEMBER 2024

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|---|------------------------------|
| Odd Semester: Ph.D. Course Work | Date: 27 /09/2024 |
| Course Code: CSE5019 | Time: 2:00pm – 3:30pm |
| Course Name: Cyber Security | Max Marks: 50 |
| Department: Computer Science and Engineering | Weightage: 25% |

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

Part A

| | | |
|---|---|------------------|
| Answer ALL the Questions. Each question carries 5 marks. | | 4Qx5M=20M |
| 1 | Define Digital signatures. What are the properties of Digital Signature? | 5 Marks |
| 2 | Compare block cipher and stream cipher? | 5 Marks |
| 3 | Indian government initiatives on cyberbullying: A case study? | 5 Marks |
| 4 | How Does Grooming Fit into Social Engineering? | 5 Marks |

Part B

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|--|--|-------------------|
| Answer ALL Questions. Each question carries 15 marks. | | 2Qx15M=30M |
| 5 | Explain cybersecurity detection approaches? | 15 Marks |
| 6 | Illustrate what are recent research gaps in following areas: Logic bombs, DoS, DDoS, APTs, Virus, Trojans, Ransomware, Data breach., Online scams and frauds- Email scams, Phishing, Vishing, Smishing, Online job fraud, Debit/ credit card fraud, Online payment fraud, | 15 Marks |