# SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
## (AUTONOMOUS)
### B.Tech IV Year I Semester Regular Examinations February-2024
### ARTIFICIAL INTELLIGENCE IN CYBER SECURITY
CSE( Artificial Intelligence and Machine Learning)

Time: 3 Hours                                                          Max. Marks: 60

(Answer all Five Units **5 x 12 = 60** Marks)

### UNIT-I

| | | | | | |
|---|---|---|---|---|---|
| 1 | a | Explain the Procedure for solving the problems in AI with flow chart. | CO1 | L2 | 8M |
| | b | List out various problems solved by Artificial Intelligence. | CO1 | L1 | 4M |

**OR**

| | | | | | |
|---|---|---|---|---|---|
| 2 | a | Differentiate Supervised Learning and Unsupervised Learning. | CO1 | L5 | 6M |
| | b | Describe Support Vector Machine and its types. | CO1 | L5 | 6M |

### UNIT-II

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|---|---|---|---|---|---|
| 3 | a | Discuss Use cases for the time series analysis. | CO2 | L2 | 8M |
| | b | List out the types of data used in time series analysis. | CO2 | L1 | 4M |

**OR**

| | | | | | |
|---|---|---|---|---|---|
| 4 | a | Illustrate the Various types of DDOS attacks. | CO2 | L3 | 6M |
| | b | In what way to prevent the DDOS Attacks . Explain it. | CO2 | L2 | 6M |

### UNIT-III

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|---|---|---|---|---|---|
| 5 | a | Define URL. List out the different types Protocols for the representing the URLs. | CO3 | L1 | 6M |
| | b | Explain the syntax and components of URL with suitable examples. | CO3 | L2 | 6M |

**OR**

| | | | | | |
|---|---|---|---|---|---|
| 6 | a | List out the malicious URL Detection Techniques. | CO3 | L1 | 4M |
| | b | Analyze the process for detecting the malicious URLs based on machine learning approach. | CO3 | L4 | 8M |

### UNIT-IV

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|---|---|---|---|---|---|
| 7 | | Describe the various types of malwares with examples. | CO5 | L2 | 12M |

**OR**

| | | | | | |
|---|---|---|---|---|---|
| 8 | a | List out the context based malicious events. | CO5 | L1 | 4M |
| | b | Explain any five types of malicious events in cyber security. | CO5 | L2 | 8M |

### UNIT-V

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|---|---|---|---|---|---|
| 9 | a | What is Mail server? Explain the working process of Mail Server. | CO6 | L2 | 6M |
| | b | List out the types of Servers. Explain it. | CO6 | L2 | 6M |

**OR**

| | | | | | |
|---|---|---|---|---|---|
| 10 | | Illustrate the Anomaly Detection techniques in Machine learning. | CO6 | L3 | 12M |

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