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| Code: **21P03601**  SR21 SET-3 | | |
| SRINIVASA INSTITUTE OF ENGINEERING AND TECHNOLOGY  UGC – Autonomous Institution | | |
| III B. Tech II Semester I MID Examinations, FEBRUARY -2025 | | |
| **ARTIFICIAL INTELLIGENCE & MACHINE LEARNING** | | |
| **MECHANICL ENGINEERING** | | |
| Time : 90 Mins | Max. Marks:30 | Date:24.02.2025 |

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| S.No | Note: Answer All Questions | Marks | LEVEL | CO | PO |
| 1. | What are Neural Networks? Explain the perceptron model and its limitations. | 10 | K 1 | CO 1 | PO 2,  PO 1 |
| 2. | Explain Genetic Algorithms. How are they used for problem-solving in AI? | 10 | K 2 | CO 1 | PO 2,PO3 |
| 3. | **Differentiate between propositional logic and first-order logic in AI.** | 10 | K 2 | CO 3 | PO 3,  PO 1 |