# School of Computing Science and Engineering

**Master of Computer Applications**
**Semester End Examination - Jun 2024**

**Duration : 180 Minutes**
**Max Marks : 100**

**Sem II - E1PY209T - Introduction to Cognitive Computing**

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|---|---|---|
| 1) | Define population and sample. | K1(2) |
| 2) | Desribe the structure of Neuron. | K2(4) |
| 3) | Write notes on Sodium Potassium Pump. | K2(6) |
| 4) | Elaborate the difference between Machine Learning and Deep Learning with example. | K3(9) |
| 5) | Justify the Logistic Regression is a clasification algorithm with example. | K3(9) |
| 6) | Evaluate and describe the Potential changes occurring during generation of Action Potential. | K5(10) |
| 7) | What do you mean by Convolutional Neural Network? Draw and Explain Convolutional Neural Network Architecture | K4(12) |
| 8) | Describe Emotional Intelligence, its 5 essential components and the factors contributing to it. | K5(15) |
| 9) | Describe various Potential and Ionic changes taking place durig the generation of Action Potential. | K5(15) |
| 10) | Describe Machine Learning Inference. Explain training and testing phase of machine learning lifecycle. | K6(18) |