

# **School of Distance Education, University of Kerala**

## **Assignment Questions**

### **IV<sup>th</sup> Semester M. Sc. Computer Science**

#### **DCS41 Research & Technical Writing**

1. Briefly explain different types of Research
2. List out the importance of literature survey in research
3. Explain different methods of presenting and publishing research work
4. Explain the structure and components of a scientific report
5. Explain how LaTeX can be used to create lists, tables, insert images, setting labels and references, index, list of figures and tables and hyperlinks
6. How exceptions are handled in python
7. Explain how collections can be passed to functions in python

#### **DCS42C Neural Networks & Fuzzy Systems**

1. Explain in detail about the applications of ANN
2. Explain associative memory – Bi-directional associative memory
3. Explain applications of neural nets – pattern recognition.
4. Explain the following terms in association with genetic algorithms
  - a) Fundamentals of genetic algorithms
  - b) Creation of offsprings
  - c) Reproduction
  - d) Genetic modeling
  - e) Operators
  - f) Applications of genetic algorithms.