BCA III
Data Structure
UNIT I
Assignment

Q.1.   What do you mean by data structure? Explain various data structures.

Q.2.   Write different operations of data structure and the data structures in which they can be performed.
2015

Q.3.   What are different categories of data structures? Explain. Differentiate linear and non linear data structure. Differentiate between primitive and non primitive data structure. 2017   2014

Q.4.   What do you mean by complexity of an algorithm? Explain various notations used to denote complexity. Explain space-time tradeoff of algorithm.   2012. 2013, 2015

Q.5.   Define Algorithm. What are the features of an efficient algorithm?   2013, 2015, 2016

Q.6.   Define abstract data type. How it is different from generic data type.   2014

Q.7.   Explain different types of complexity?   2015

Q.8.   What is elementary data organization?   2016

Q.9.   Discuss the concept of mathematical notations with respect to data structure.   2022

Q.10. Explain basic terminology of data structure.   2021