Sr No.	Question	CO
1	Briefly explain various linear and non-linear data structures along with their applications.	CO1
2	Define primitive data structure.	CO1
3	Explain space and time complexity.	CO1
4	Write an algorithm for finding average of given numbers. Calculate time complexity.	CO1
5	Differentiate between linear and non linear data structures.	CO1
6	Define Data Structure and differentiate between linear and nonlinear data structures.	CO1
7	Write short note on performance analysis and performance measurement of an algorithm.	CO1
8	Define data structure.	CO1
9	Define Primitive data structure	CO1
10	Define Non-primitive data structure	CO1
11	Define Linear data structure	CO1
12	Define Non-linear data structure	CO1
13	Define Time complexity of an algorithm	CO1
14	Define primitive and non-primitive data types with example.	CO1
15	Differentiate linear and non-linear data structures.	CO1
16	Explain time and space complexity of an algorithm.	CO1
17	Explain primitive, non-primitive, linear and non-linear data structures.	CO1
18	Define following terms:(i) data structures	CO1
19	What do you mean by Data Structure? Give the difference between Primitive and Non-primitive data structures.	CO1
20	Differentiate between data types and data structures. Answer the followings: (1) Give examples of Linear and Non-Linear Data Structures. (2) What do you mean by Abstract Data Types?	CO1
23	Explain primitive and Non-primitive data types in detail.	CO1
25	Differentiate: Static and Dynamic Memory Allocation	CO1
26	Explain linear and Non-linear data structure with example.	CO1
27	Discuss various types of data structures with example.	CO1
28	What is time and space analysis? State and explain time	CO1
29	analysis for linear search and binary search method.	CO1
30	Compare primitive and non primitive data types. Data structures.	CO1
31	What is time complexity? Explain with example.	CO1
32	Explain malloc and free functions in ‘C’. Also discuss advantages of dynamic over static memory allocation.	CO1

33	Explain following:(ii) primitive data structures (iii) non- primitive data structures (iv) linear data structures (v) nonlinear data structures .	CO1