



DATA STRUCTURES

(Course Code: 25B11CI318)

Marking Scheme

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Marking Scheme

Component	Weightage	Details
Examination	75%	Test-1 Exam: 15 Marks Test-2 Exam: 25 Marks Test-3 Exam: 35 Marks Subtotal = 75 Marks
Teaching Assessment	25%	Quiz (2): 10 Marks Assignment (4): 10 Marks Attendance: 5 Marks Subtotal = 25 Marks
Total	100%	100 Marks

Note:

1. You have to maintain 80% attendance.
2. A weightage of 10% will be considered for medical reasons and another 10% for co-curricular activities.

Recommended Textbooks

1. **Data Structures Using C**, Aaron M. Tanenbaum, Pearson Education.
2. **Fundamentals of Data Structures**, Ellis Horowitz and Sartaj Sahni, Computer Science Press.
3. **Introduction to Algorithms**, Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, and Clifford Stein, MIT Press (3rd Edition, 2009).
4. **Handbook of Data Structures and Applications**, Dinesh P. Mehta and Sartaj Sahni, CRC Press (2nd Edition).

Suggested Reference Books

1. **Algorithms, Data Structures, and Problem Solving with C++**, Mark Allen Weiss, Addison-Wesley Publishing Company (Illustrated Edition).
2. **Fundamentals of Data Structures in C++**, Ellis Horowitz, Sartaj Sahni, and Dinesh P. Mehta, Galgotia Press (2009).
3. **Data Structures with C**, Seymour Lipschutz, McGraw Hill (Schaum's Outline Series, 2010).
4. **Computer Algorithms: Introduction to Design and Analysis**, Sara Baase and Allen Van Gelder, Pearson Education.
5. **Algorithms Unlocked**, Thomas H. Cormen, MIT Press.
6. **Classic Data Structures**, Debasis Samanta, Prentice Hall of India.