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Class Test (2) Examination: Fall-2026

Course Code: CIS 132

Course Title: Algorithms

Date: 18/11/2026

Section: 24_A

Time: 30 Minutes **Total Marks: 15**

1.	Apply the Selection Sort algorithm to sort the following array in ascending order. Show the array after each iteration. **Array:** 45, 18, 34, 12, 30, 23	[5]
2.	Apply the Merge Sort algorithm to sort the following array in ascending order. Show the array after each level. **Array:** 48, 16, 80, 34, 64, 22, 11	[5]
3.	Apply the Quick Sort algorithm to sort the following array in ascending order using the last element as the pivot. Show the partitioning process at each step until the array is completely sorted. **Array:** 33, 12, 26, 5, 20, 16, 19	[5]