**Graded Coding Assignment - 2 - Algo**

**Part 1**

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| **Sl.** | **Question** | **Answer** |
| 1 | T (n) = 3T (n/2) + n | Θ(nlog23) |
| 2 | T (n) = 64T (n/8) − n^2(log n) | Θ(n2/2 log1/n log n) |
| 3 | T (n) = 2nT (n/2) + n^n | NA |
| 4 | T (n) = 3T (n/3) + n/2 | T(n)= Θ(n log n) |
| 5 | T (n) = 7T (n/3) + n^2 | T(n)= Θ (n^3) |