Some Likely Questions:

- The biggest problem with AOA is that although the syllabus is huge, the NUMBER of topics is quite less. Its just that each topic by itself is very big.
- In such a situation, selecting a few important qs out of already less number of topics is a difficult task.
- However, from my past experience I will list down a few topics which you SHOULD NOT leave in option:

1. Write note on Asymptotic Notations (Big oh, omega, theta)
2. Algorithm to find minimum and maximum using divide and conquer and its complexity.
3. Quick sort program and analysis
4. Binary Search Algorithm & its Complexity;
5. Strassens matrix multiplication method
6. Theory Qs. on Randomized Algorithm
7. Exercise or theory Qs on Knapsack (using greedy method)
8. Exercise or theory Qs on Prim and kruskal.
9. Optimal storage of tapes.
10. Job Sequencing with deadlines
11. 0/1 Knapsack (using dynamic programming)
12. Multi-Stage Graphs
13. Sum of Subsets
14. 15 puzzle problem with LC search and branch and bound.
15. String matching with finite automata.
16. Longest Common Subsequence

DISCLAIMER: Please do not misunderstand that you should study only those questions which are stated above. Ideally, study everything at least once and the questions given above at least twice.

VERY IMPORTANT: DO NOT throw away your notes after exam. You will need them for MS(in US) or when you are preparing for some dream companies during your placements.

Question Papers: You will be giving first paper of new syllabus. I have uploaded 8 question papers of AOA which you can download from "Question Paper" section of our website. Since these 8 papers are of old syllabus, you may come across some questions which are not there in new syllabus.

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