1. The approach followed by branch and bound is

Breadth First Search | Depth First Search | Left Right Search | Right Left Search

2. The state space tree is used in

Branch and Bound | Backtracking | Both of the above | None of the above

3. Which of these are variants of branch and bound?

FIFO branch and bound | LIFO branch and bound | Least cost branch and bound | All of the above

4. Which of these is faster?

FIFO branch and bound | LIFO branch and bound | Least cost branch and bound | Most cost branch and bound

5. In 0/1 knapsack problem, the total profit must be

Minimized | Maximized | Zero | None of the above

6. The 0/1 Knapsack problem can be efficiently solved using

Dynamic programming | Branch and Bound | Backtracking | Greedy approach

7. Which of these variations of branch and bound is used for solving 0/1 Knapsack problem?

FIFO Branch and Bound | LIFO Branch and Bound | Least Cost Branch and Bound | Most Cost Branch and Bound

8. The costs in 0/1 knapsack problem considers

Values without fraction | Values with fraction | Both of these | None of the above

9. In travelling salesman problem, the _____ path is found out.

Shortest | Longest | Both of the above | None of the above

10. Which of these problems seems similar to TSP?

Sorting | Searching | Hamiltonian Cycle | Merging

11. Find the odd one out.

Branch and bound | TSP | Optimization problem | Binary Searching

12. In TSP, if for any node, the cost is greater than upper node then

That node is killed | That node is explored | That node is used | None of the above

13. Which of these problems is solved by using branch and bound?

Minimization problem | Maximization problem | High density problem | Low density problem

14. The upper bound in 0/1 knapsack problem considers

Values without fraction | Values with fraction | Both of these | None of the above

15. In which of the variant, the number of possible solutions is less?

Symmetric TSP | Asymmetric TSP | Disymmetic TSP | None of the above

16. In TSP, if for any node, the cost is greater than upper node then

That node is killed | That node is explored | That node is used | None of the above