



**Bahria University**  
Discovering Knowledge

## **BAHRIA UNIVERSITY (KARACHI CAMPUS)**

**ASSGINMENT # 2 - FALL 2020**

**Artificial Intelligence Lab**

Class: **BSE 5(A/B) & 7B**

Lab Instructor: **Engr. Muhammad Rehan Baig**

**Submission Deadline: 31<sup>th</sup> December, 2020**

Max Marks: **5**

**Q:** Apply *Breadth First Search, Depth First Search, Uniform Cost Search, A\* Search, Simulated Annealing* and *MIN MAX Algorithms* to Solve Sales Man Traveling problem. Identify **Time Complexity** for each algorithm and find best suited algorithm for solving this problem with stated algorithms along with complete code.

### **Note:**

- Please Provide Proper documentation of your Assignment.
- If you submit your assignment after the given deadline then **2 Marks** will be deducted for the late submissions.
- Copied assignment will be marked **zero**.
- ***Please don't share your assignment*** with any of your colleagues Because **Same Assignments** will be marked as copied and **ZERO** will be assigned to both. Author and Copier