Phitron Python

**Theory Test**

অনেক কিছুই অনলাইনে পেয়ে যাবা, তাতে নাম্বার আসবে, সেই নাম্বার কাজে আসবে না।পরিচিত সমস্যা দেয়া হয়েছে কারন যা আগে থেকে বুঝা আছে তা ভাঙতে সুবিধা হবে। Best wishes.

1. How do you design a traffic control system? **- (10)**

Make sure you know how to transition from one state to another like RED to GREEN and from GREEN to ORANGE to RED etc.

2. JKR wants to make a platform like Pathao.He is naming it “**Amare Loiya Jao Majhi”**. Design a ride sharing app named *Amare Loiya Jao Majhi* by answering the following questions - **(15) use case diagram like online shopping system, sequence diagram**

1. What are some of the required features?
2. What problems might arise in common?

3. Design a forum like **StackOverFlow** by answering the following questions - **(15)**

1. What are some of the required features?
2. What problems might arise in common?

4. Design a **ইচিং বিচিং চিচিং চা** game by answering the following questions - **(30)**

1. What are some of the required features?
2. What problems might arise in common?
3. How will the users interact with the game?

5. What are the 3 major components of the system design phase? - **5**

6. What are the three most essential skills of a system designer? - **5**

7. What is the Step by step process to solve specific issues called? - **5**

8. What are the Types of Documentation in System Design? - **5**

9. What is the approach used in top-down analysis and Design? - **5**

10. Why is Open Source important? - **5**