

## Class Activity

### Assignment #1

### Computational Thinking

#### Q no. 1

#### (Decomposition)

Breaking the big task of trip to Murree into smaller and manageable steps such as:

- Choosing the date for the trip.
- Arranging the mode of travel such as car, bus, train etc.
- Deciding a budget according to travel, available money and other activities.
- Reserving accommodation in advance such as a hotel, guest house or a resort.
- Planning the meals such as where to eat or have packed meals instead.
- Gathering all essentials such as necessary documents, medicines, chargers etc.
- Have a list ready of tourist spots to visit.

Date: \_\_\_\_\_

Day: \_\_\_\_\_

- Prepare safety precautions such as a first aid box, offline maps, phone numbers for emergency etc.
- Settling the budget and organizing things after unpacking once the trip ends

## QNO.2

### (Abstraction)

Essential things to keep in mind when preparing for a trip:

**Money:** Planning how much cash is needed for travel, food, hotel etc

**Transportation:** Deciding if you will go by bus, car or another vehicle.

**Accommodation:** Place to stay such as a hotel, guest house during the trip.

**Time Management:** How many days to spend on the trip such as a weekend.

**Safety Needs:** Having safety precautions such as emergency numbers, offline maps etc.

### QNO.3

#### (Pattern Recognition)

- Looking at past trips, common patterns appear such as:
  - For every trip, basics such as transport, money, accommodation are always required.
  - Delays are common such as traffic jams etc so its better to leave early.
  - Carrying essentials such as medicines, clothes, chargers ~~are~~ <sup>is</sup> always necessary.
  - Always check forecast before leaving.
  - Having a planned routine is a common practice such as it includes deciding, booking, traveling, sightseeing and returning.

### QNO.4

#### (Algorithm Design)

- 1- Fixing whole budget of the trip.
- 2- Choosing travel dates such as weekend
- 3- Arranging mode of transportation.



Date: \_\_\_\_\_

Day: \_\_\_\_\_

- 4- Booking a hotel or guest house for stay.
- 5- Making a packing list so its easy to manage, such as documents, clothes etc.
- 6- Starting the journey and reaching there.
- 7- Visiting tourist sightseeing spots.
- 8- Spend money according to your allocated budget.
- 9- Return home safely after completing trip.