

Name: SYED HAIDER HUSSAIN SHAH

ID:- 16072

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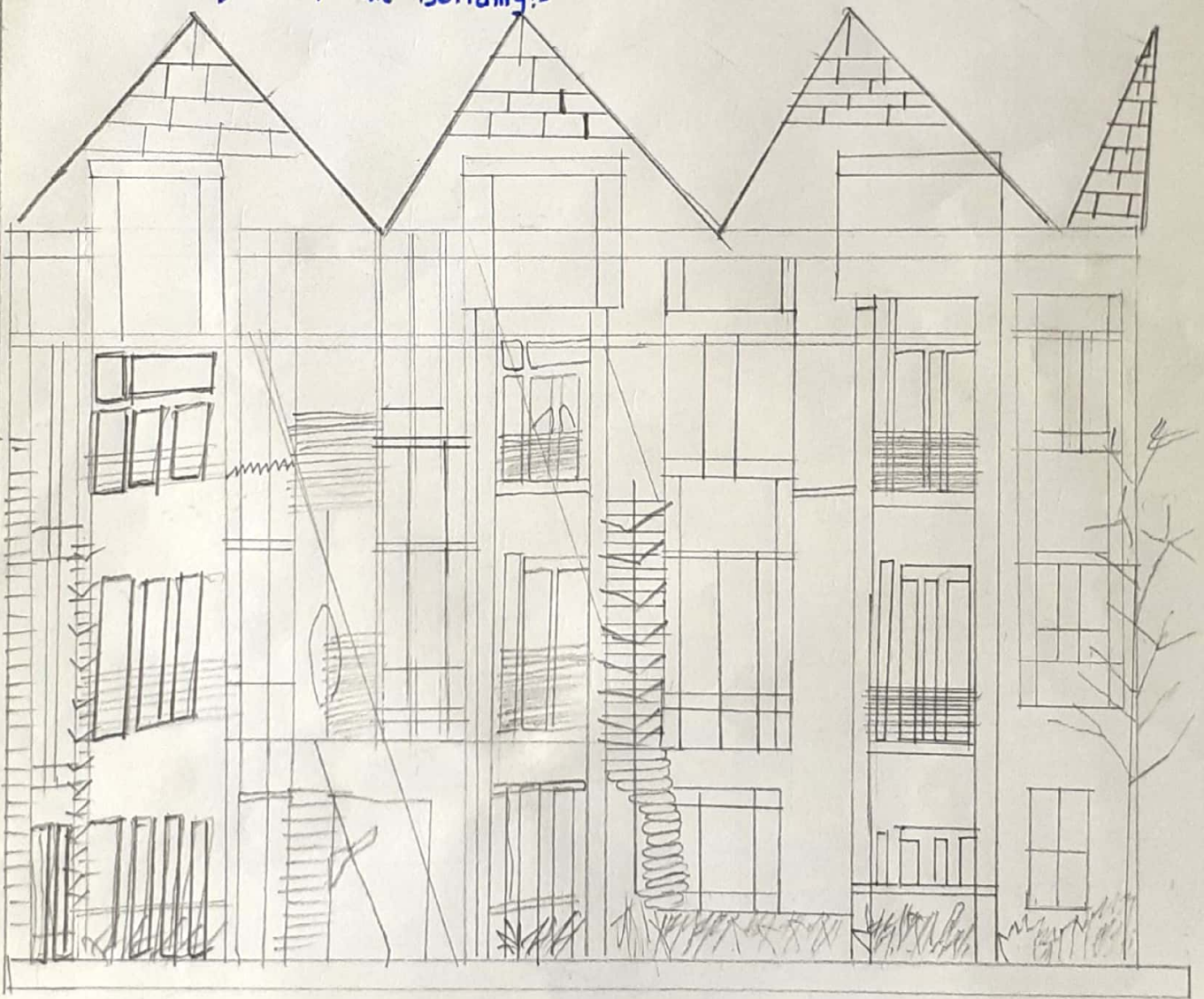
Sem:- 2nd

Degree: Civil Engineering

Subject: Architecture and Town Planning

Q1: Take any building from internet, put its picture in M.S word & explain its positive and negative points according to principles of design. What could be done to make the building more attractive? Answer must be at least 200 words.

Ans: 1 **Diagram of The Building:-**



Positive Points:-

The most positive point in the building is that it has an excellent focal point which helps the viewer to navigate through the overall structure highlighted bricks. The little dots in the brick area make the focus more attractive. The focus point also emphasized with the help of top Eves, which engage the viewer more likely. The apartments are good for small families for living. It construction play vital role in development and life style of people. The apartments are mostly constructed for visitors came from other countries or cities. If we look up the overall design, it seem like it has applied a golden ratio between the right & left sides, which attract the viewers to spend more time.

Negative points:-

No doubt the building is outstanding but if we look at the windows of apartments the windows are rough and broken. We can see the windows of focal points and compare with each other, we can see the golden ration is damaged and also the window glasses have rough management. There is a privacy problem for people. There is a problem of water in apartment most of the time. There is a

problem of getting out from building during hazard like earth quake.

What could be done to make the building more attractive:-

- 1) Design: The building must be design and serviceable according to purpose for which it is build.
- 2) Architectural view the building may look aesthetically good.
- 3) Ecological The Building must be friendly to environment.
- 4) Paint: Paints must be good looking.
- 5) Garden to be look good green gardens & plant are to be there.
- 6) Lighting System:- There must be some lights for decoration purpose.
- 7) Dust Bins Install some waste bin for solid waste.
- 8) Sewage system must be proper & underground.
- 9) Maintenance:- There are some maintenance found for building on annual basis.

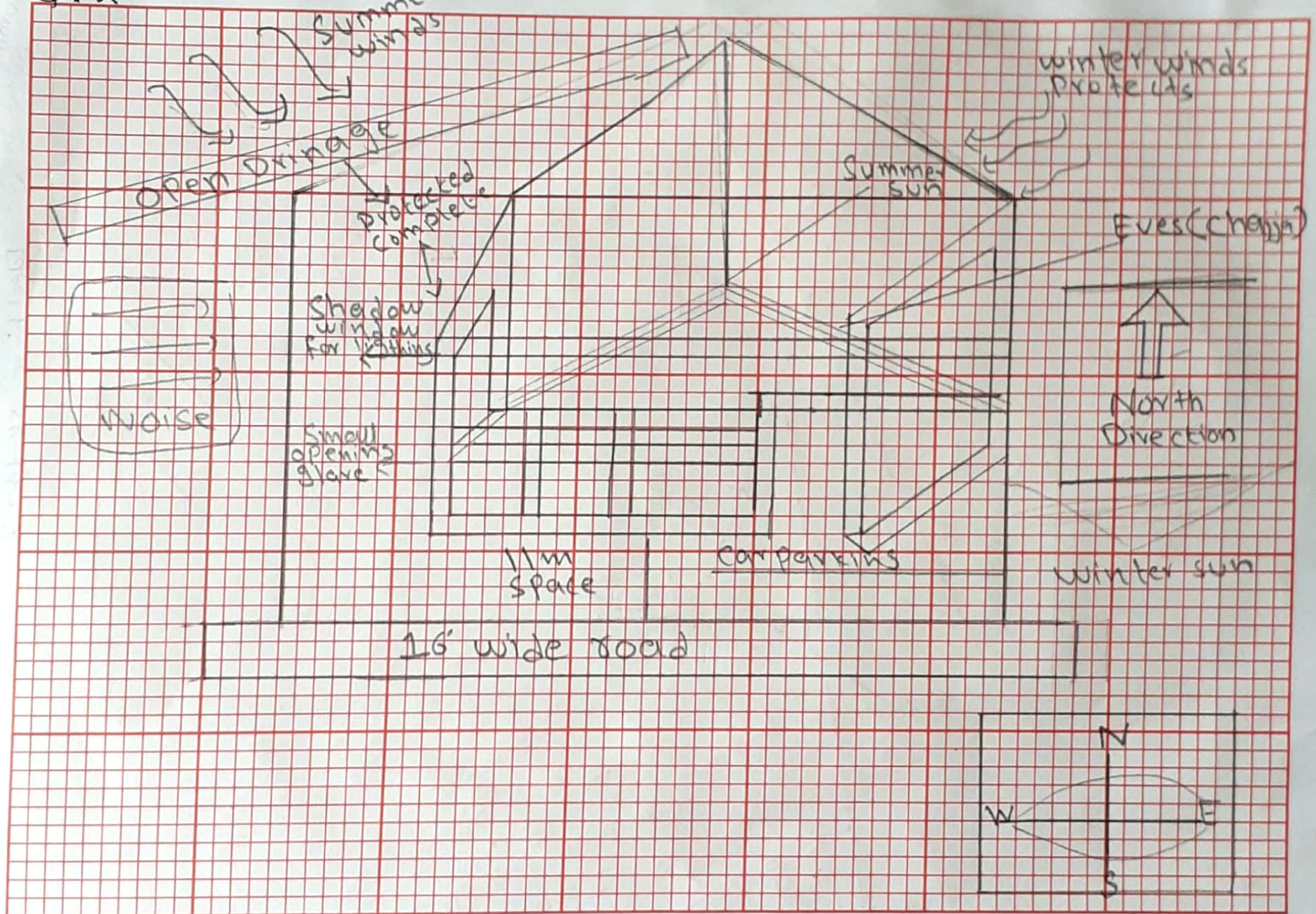
Q2: Design & sketch an ideal single storey house on the site shown below.

The design should be free & can be drawn on graph paper.

The house should be naturally ventilated & have natural lighting. Also, it should be free of noise. The site is located in Pathawar. Label or explain the plan neatly.

Q: 2 Ideal house sketch:1

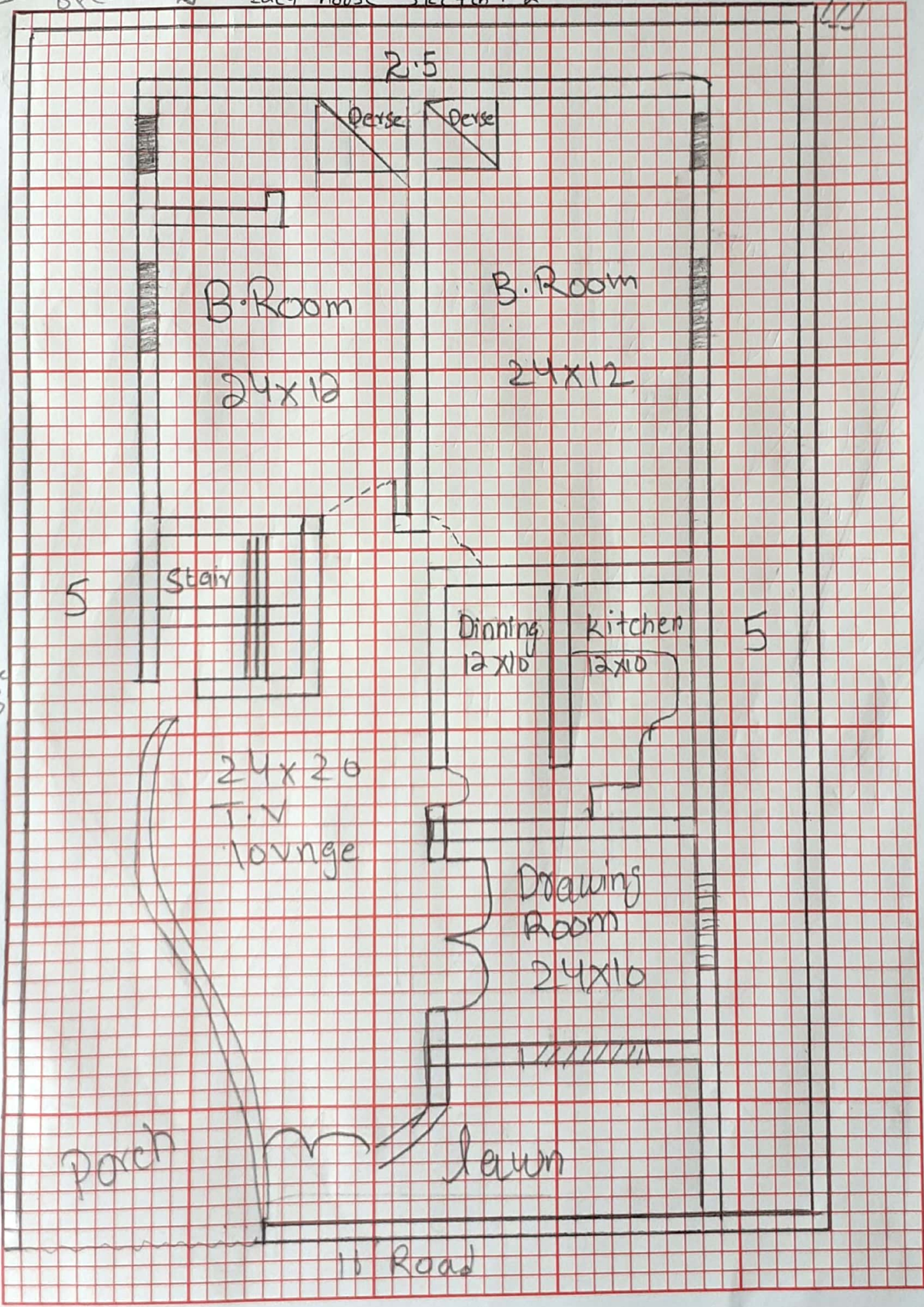
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Summer wind
open drainage

(5)
Ideal house sketch 1 2

winter wind

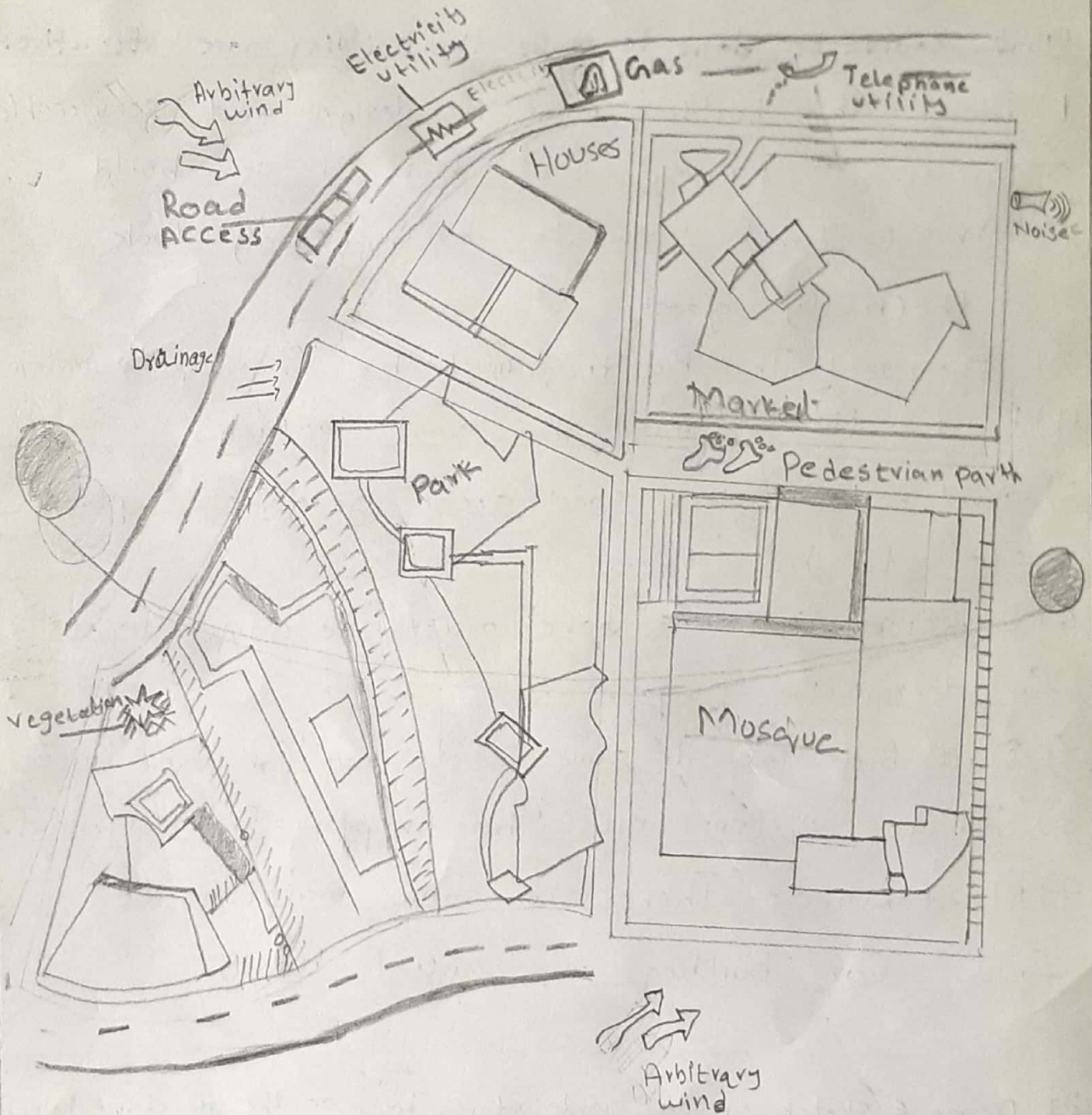


Ans 2: Natural ventilation: It promotes a healthier lifestyle. For instance, the oxygen from fresh air can enhance your heart rate, blood pressure, and energy levels. It strengthens your immune system. It also makes you feel relaxed & refreshed to higher serotonin levels.

Natural lighting:- It will reduce the production of harmful bacteria and organisms that can grow in any house. Sun light improves circulation. Sun light increases red blood cells. Sunlight boost our immune system.

Q3: Sketch of the site :-

Ans : 3 Micro Site analysis :-



8
Ans: 3

Micro Site Analysis:-

Location & distances From differn area:

Nowshera, it is satuated KPK 35 km away from Peshawar.

Population:- 1.519 million (2018)

Climste & Weather:-

The driest mont is October. There is 13mm/0.5 inch of precipitation in October. Most precipitation fall in August, with an average of 112mm/4.4 inch.

With an average 33.6°C / 92.5°F , June is the warmest month. In January, the average temperature is 10.1°C / 50.2°F . It is the lowest average temperature of the whole year.

Geology:- Nowshera is a plane area, there no high mountains. some small mountain arc there.

Hydrology:- Kabul river passes through the city and all the water of a city goes to that river.

Soil Genesis:- Soil contain moisture and it is fertile

Vegetation:- Locstlon wise UAP contributed greater amount of plant spieces (53%) followed PFI (29%). Majority of plant were annual herbs (58%), followed by herbs (29%), trees (10%) & shrubs (3%) respectively.

Slopes:- Elevation of Nowshera is 320m. land form type of Nowshera is alluvial plain formed and the land is fertile. The drainage pattern of

is very outstanding when there is a rainfall the water goes straight to the streams and the roads never sink.

Wildlife:- Nowhera is free of wild animals. There are no forests near Nowhera.

Utilities:- Nowshera has a developed system of electricity, gas supply, water supply. And it has good system of cable connection & telephone.

Circulation:- Nowshera has a good road system.

People can travel to many other cities. It link the two province K.P.K and Punjab. The city has also railway rout and railway station and people can travel through it to other cities.

Natural features:- The city is having river. The city is having small platues. The city is having fertile land.

Ans. 3

Sun Angles and etc :-

South-Facing Glass

40° N. Latitude

