

NAME =M Shahab Khan

ID = 16068

SECTION = A

SUBJECT = ARCHITECTURE

SAMESTER = 2nd

QUESTION NO = 1

Take any building from internet, put its picture in Microsoft word and explain its positive and negative points according to the principle of design. What could be done to make the building more attractive . Answer must be at least 200 words.

ANSWER NO = 1



PASITIVE POINTS:-

The most positive point in the building is that it has an excellent focal point, which help the viewer to navigate through the overall structure highlighted with black color. The little dots in the black area make the focus more attractive. The focus point also emphasized with the help of top eves (chajja), which engage the viewer more likely . The color combination between red and black with the negative spaces (which is white) is more pleasing to see . if we look up the overall design ,it seems like it has applied a golden ratio between the right and lift sides, which attract the viewers to spend more time. The combination of black and red colors also creates a minor contrast; if we look at the neighborhood building and its color, which is al,ost matched to the structure , we have studied, It also seem like it has followed a specific pattern. May be according to the commercial building bylaws.

NEGATIVE POINTS:-

No doubt the building is outstanding, but if we clarify it took more attractive and add some more details. If we look at the window glasses, we

can see that it is an unmanaged colors variation which damages the golden ratio .If we see the window of focal points and compare with each other , we can see who the golden ratio is damaged and also the window glasses have rough management . Yes, it is the minor detail which is not very much important , but the professional designers care about their design and make them as mistake-free as they can.

MAKE THE BUILDING MORE ATTRACTIVE:-

1:- simply the landscape.

2:- paint.

3:-signage

4:-Directional sign.

5:-wash the façade with light at night.

6:-The address number.

7:-Hide awkward element.

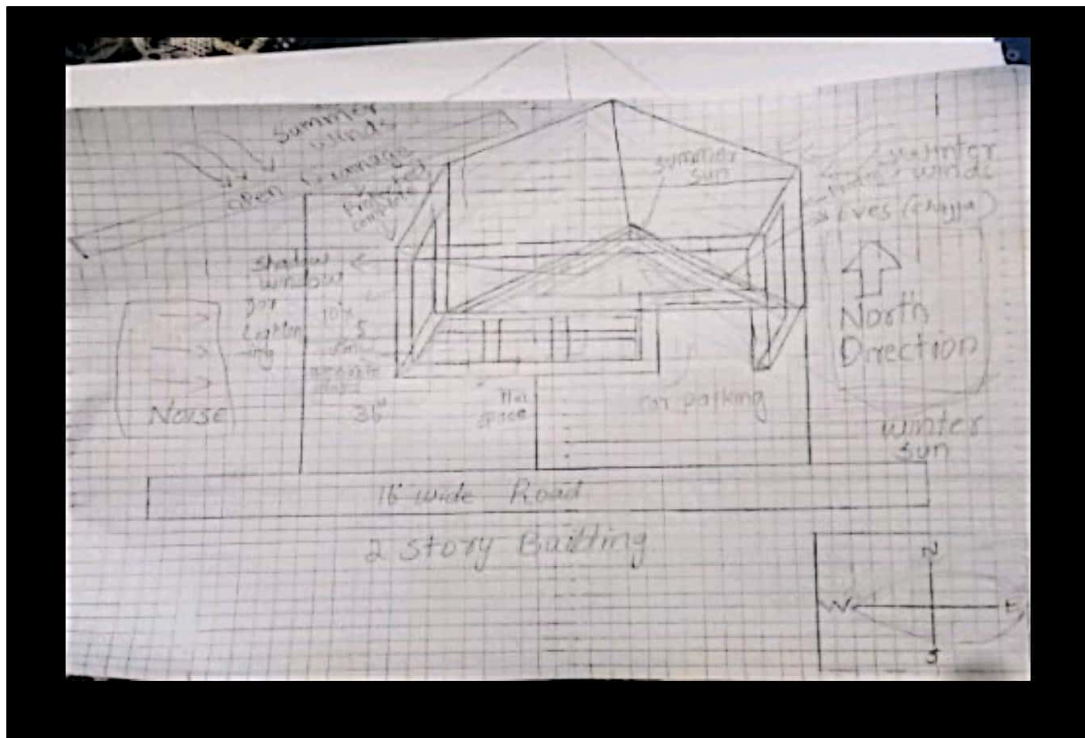
8:-Clean extrior surface of glass.

QUESTION NO 2:-

Design and sketch an ideal single story house on the site shown below. The design should be free

hand and can be drawn on graph paper. If a graph paper is not available then make a grid of 5 × 5" on a separate white A4 size paper .The house should be naturally bentedilated and have natural lighting. Also, it should be free of noise .The site is located in peshawer . Label or explain the plan neatly.

ANSWER NO 2:-



NATURAL LIGHTING will reduce production of harmful bacteria and organisms that can grow in any house.

Sunlight improves circulation.

NATURAL sun increases red blood cells. Sunlight boosts your immune system.

In summer more sunlight is produce heat in room and than more cost done like AC(Air Condition)want more time to cool the room and use more electricity that way more cost is doneby effect of heat of sun .

HEALTH BENEFITS OF NATURAL LIGHT:

- ➔ Boosts vitamin D . When exposed to sunlight ,the skin absorbs vitamin D, a critical nutrient that prevents bone loss and reduces the risk of heart disease.
- ➔ Wards off seasonal depression.
- ➔ Improves sleep.
- ➔ Reduces health risk of fluorescent lighting.

NATURAL VENTILATION 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 and refreshed thanks to higher serotonin levels.

SUMMER WIND (OPEN DRAINANG):- Summer wind site is totally protected.

NOISE (WEST):- West side is leveled spaces is 3m to avoid noise.

FRONT SIDE (SOUTH):- Leaved is equal to 11m for the sun light.

Open able glasses for natural ventelation purpose car parking and shadowed window for lightening eves to avoid the heat on the summer.

WINTER WIND (NORTH EAST):- Winter wind is also protected.

EAST SIDE:- Leaved space is equal to 1.5m.

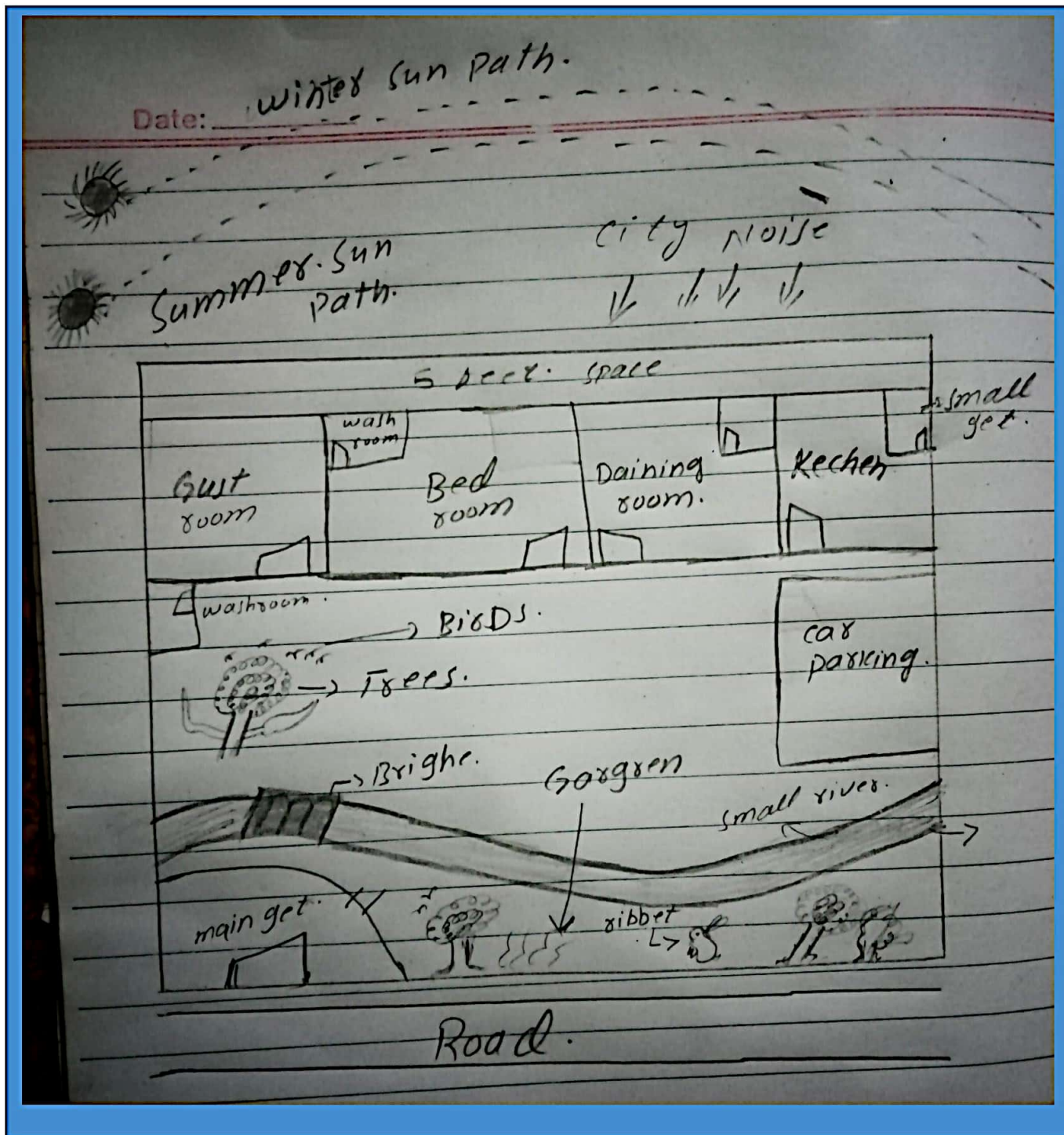
NORTH SIDE:- leaved space is equal to 3m protected bricks wall to store heat.

QUESTION NO 3:-

Selection a site at the place where you live. Do Micro site analysis of site and make its sketch on another A4 paper and write about it in detail. You can take your own lawn as a site of analysis or any other site in the neighbrihood. Additionally, make a solar path diagram for your area on a separate piece of paper to find the exit sun angle for both winter and summer. Watch videos on youtube to understand and make solar path diagram. Use these sun angle to make a rough sketh of a room . show window height, type of fixed sun shade used,angle and height of shade as well as its depth and width by keeping sun angle in mind.The purpose for the sketch is to show

how winter sun is allowed and summer sun is blocked.

ANSWER NO 3:-



LOCATION FROM THE DIFFERENT AREA:-

TORDHER is the small village .And situated in charssada.

POPULATION:-population of our village about 3000 people live ther .

GEOLOGY:-The weather of village is variable in summer hot and in winter cool. But summer is so hot because of the diffioncy of facelites.

EDUCATION:- Education in our village Is raond about 47%.

SUBSURFACE FEATURES :-

HYDROGY:- Water table in the site area exist 30 feet below from the top surface area. Being plan area of surrounding area no springs aquifer axist.

SOIL GENESIS:- The surface of the selected site and its surrounding mostly plan and compacted. Therefore erosting facter Is limited having moisture as the area surrounding river swat pasing through area, also lower swat cannal is pasing through site with in 1 kilometer .

As the site area is agriculture land so the organic content may consider . Also bearing capacity of the site is good as the gravelar and sand layers exist underground.

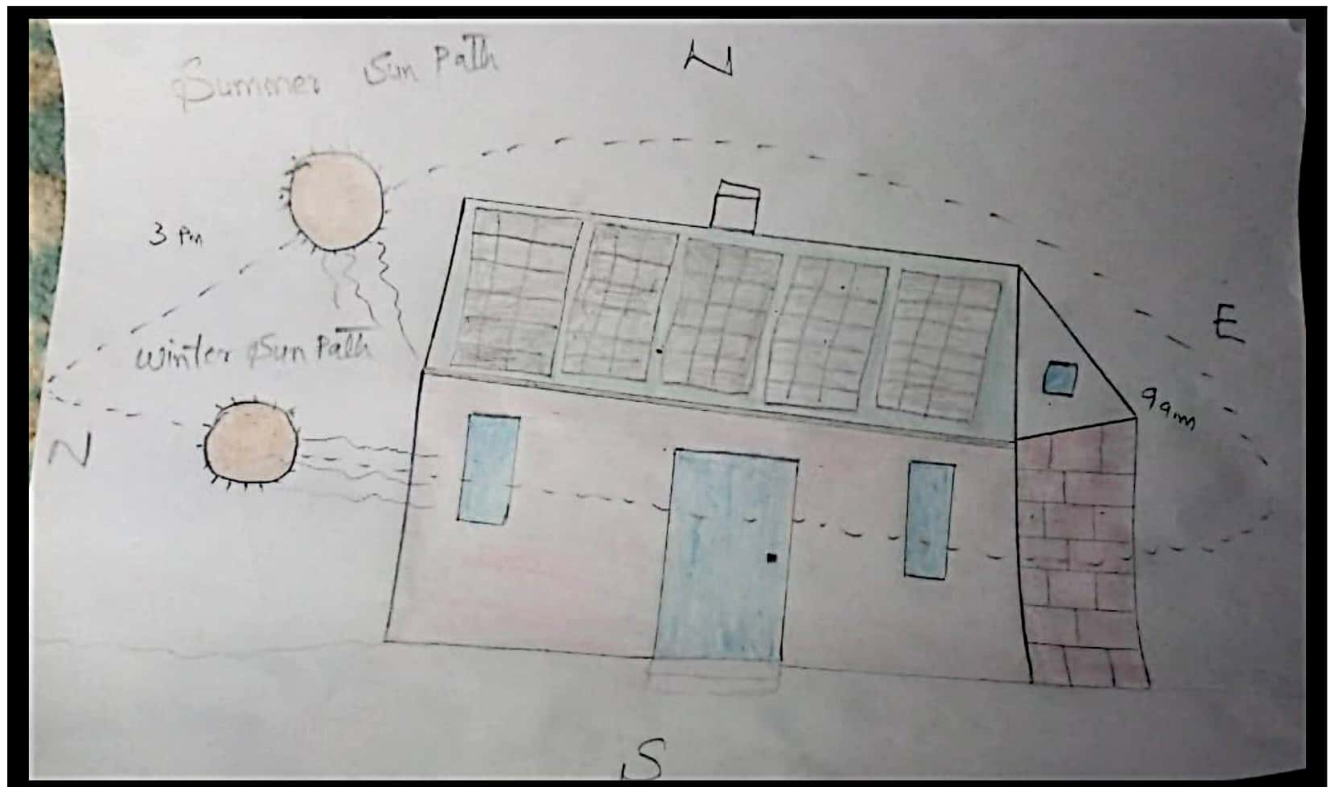
MAN MADE FETURES:-

UTTUTIES:- The site area have a well pattern (lopen drain) system with public health water supply system also Natural gas pipe line and electrical lines are available all over the area.

CIRCUIATION:- The site location is located on main charsdda (shakh no 6 charsadda road) which is the most transit roads from a main road exist in the surrounding area like tangi ,ameer abad, outo system is also possible because of linkage of road with main road .

WHEN WE TAKE A ROOM IS WHOLE HOUSE :

Its sun angle in the summer and in the winter both are mention in drwing below and NOURTH and SOUTH direction also mention below.



:- Orientation is the positioning of a building in relation to seasona variations in the sun path”s as well as prevailing

wind patterns.

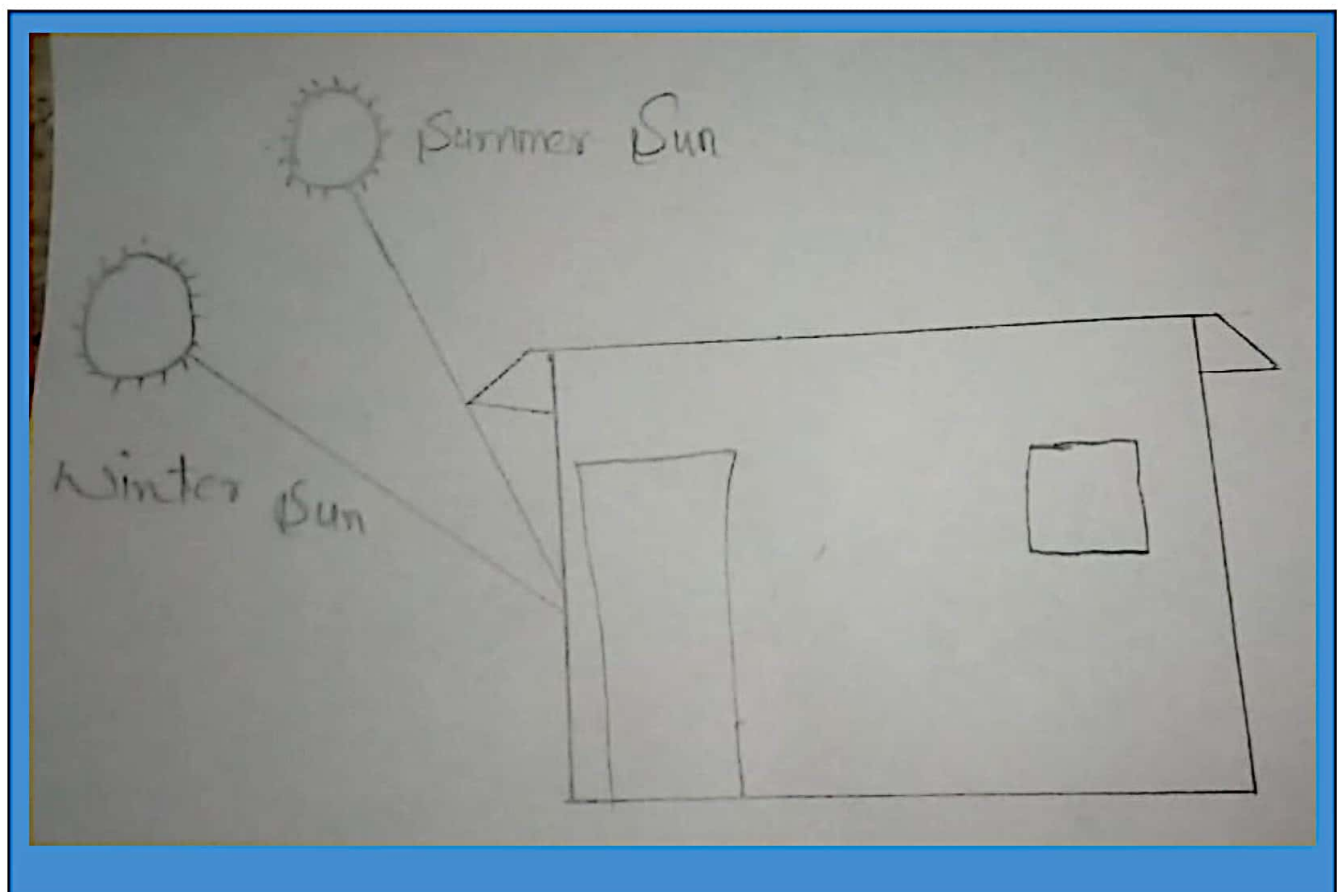
:- Living areas and rooms you spend lots of time in should be southfacing to catch sun and light for the longest part of day.

:-Bedroom should be positioned on the northern side so they are cooler and more pleasant to sleep in at night.

:-south-facing walls and windows receive more solar radiation in winter than the summer

:-prefer longer south and North facing walls and windows.

THE WINDOW:- The window is 4 feet up from the earth and 4 feet the window high and 3 feet is down from the roof.



:-The north and east side of the side perfect view and its green hills which is beautiful and green area.

:- But the west side is not much good because it has mining area which is too noisy due to the mining work and destruction of hill.

:- The south side has a perfect ground for people entertainment and refreshment.

:-The black cures show us the hills.

:-The latitude of the sun and this area is 34.

:- Sum altitude in the summer noon has 79.5.

:-Some altitude in the winter noon is 30.2