

P 1

NAME WAQAR AHMAD

ID 16117

SUBJECT introduction to architecture
and town planning

SEMISTER 2nd

TEACHER Miss Alina babar

SECTION A

Date 24 April 2020

Q(1) Residential Building of Apartments in Islamabad.

1.1. Project location: Near to 26 no interchange of Motorways on Lahore route.

1.2. Description of Structure.

This is a project supervised by MANHARD'S Engineering Consultants and Designers. They are going to supervising the construction 76 apartments of 7 storey buildings under different reputed contractors. These apartments are constructed for foreign Pakistani and business.

Negative Aspects of Apartments:

- 1) There is privacy problem for people.
- 2) The apartments are almost for fixed time while the houses built on ground are for more time serviceability.
- 3) There are a problem of water in apartment most of the time.

- ④ There is a problem of lift like our country during shutdown of power from WAPDA to old resident.
- ⑤ There is a problem of getting out from building during hazard like earth quake.

Positive Aspects of Apartments.

- 1) Most of the time apartments are constructed in commercial area which have a good resell value.
- ② The apartments are good for small families for living.
- ③ Its construction play vital role in development and life style of people.
- ④ The apartments are mostly constructed for visitor come from other country or cities.

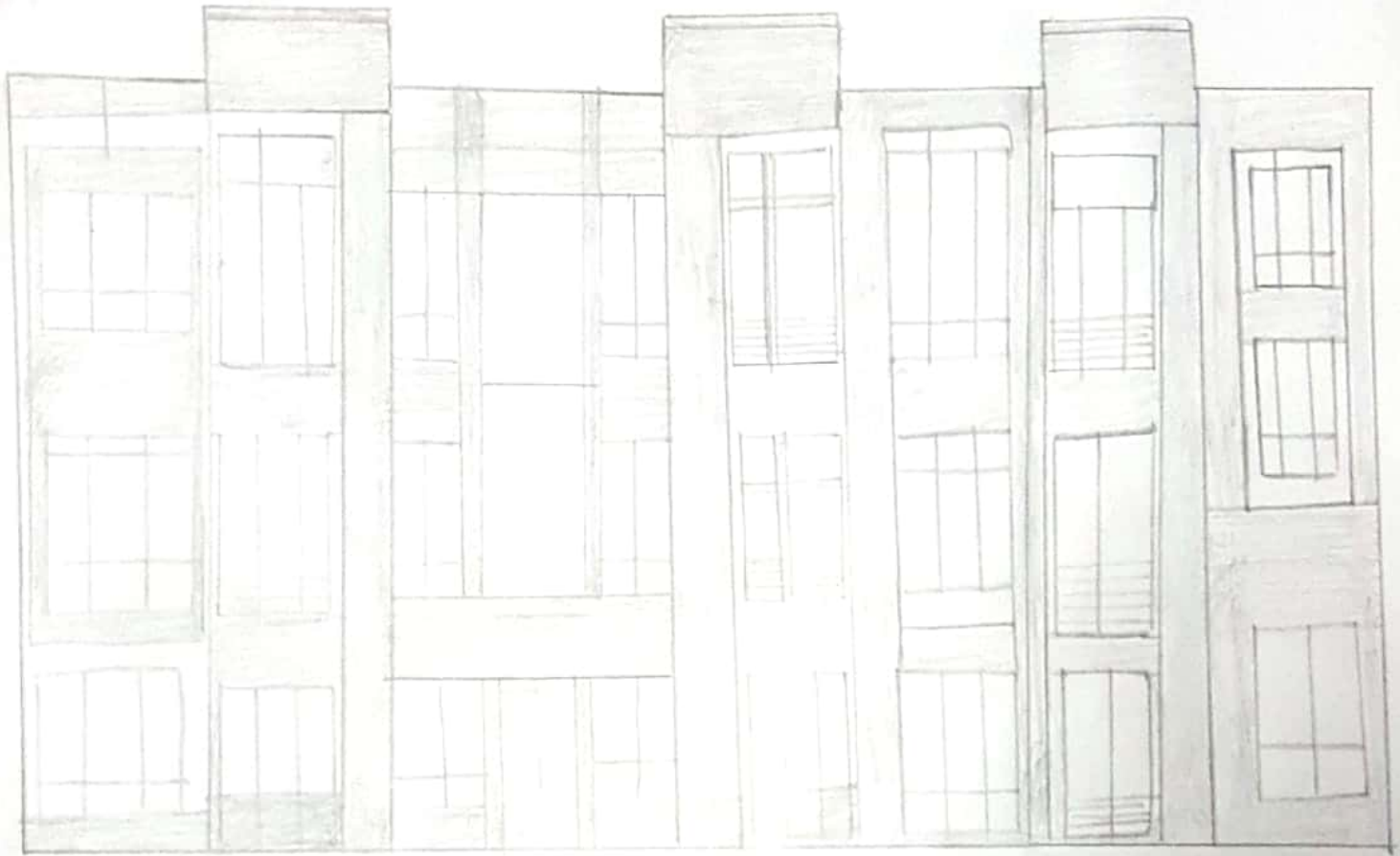
What should be done to make the building more attractive?

D. Design: The building must be design and serviceable according to purpose for which it is built.

- 2) Architectural: view of the building may look aesthetically good.
- 3) Ecological: the building must be friendly to environment.
- 4) Paints: Paints must be good looking.
- 5) Garden: To be look good green gardens and plants are to be there.
- 6) Lighting System: There must be some light for decoration purpose.
- 7) Dust Bins: Install some waste bins for solid waste.
- 8) Sewage System: It must be proper and underground.
- 9) Maintenance: There are some maintenance fund for building on annual basis.

General sketch of an Apartment

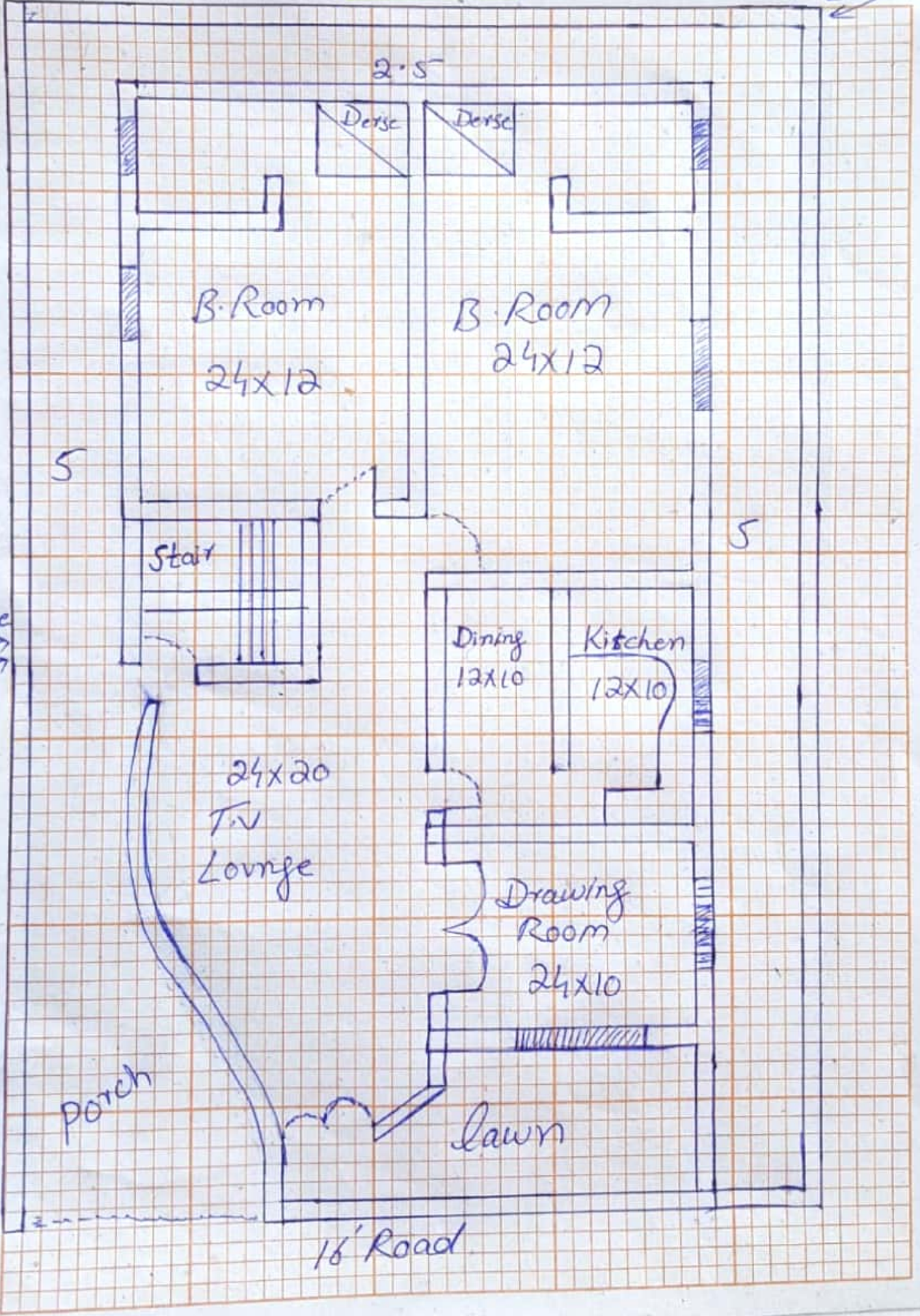
P5



Summer wind
open drainage

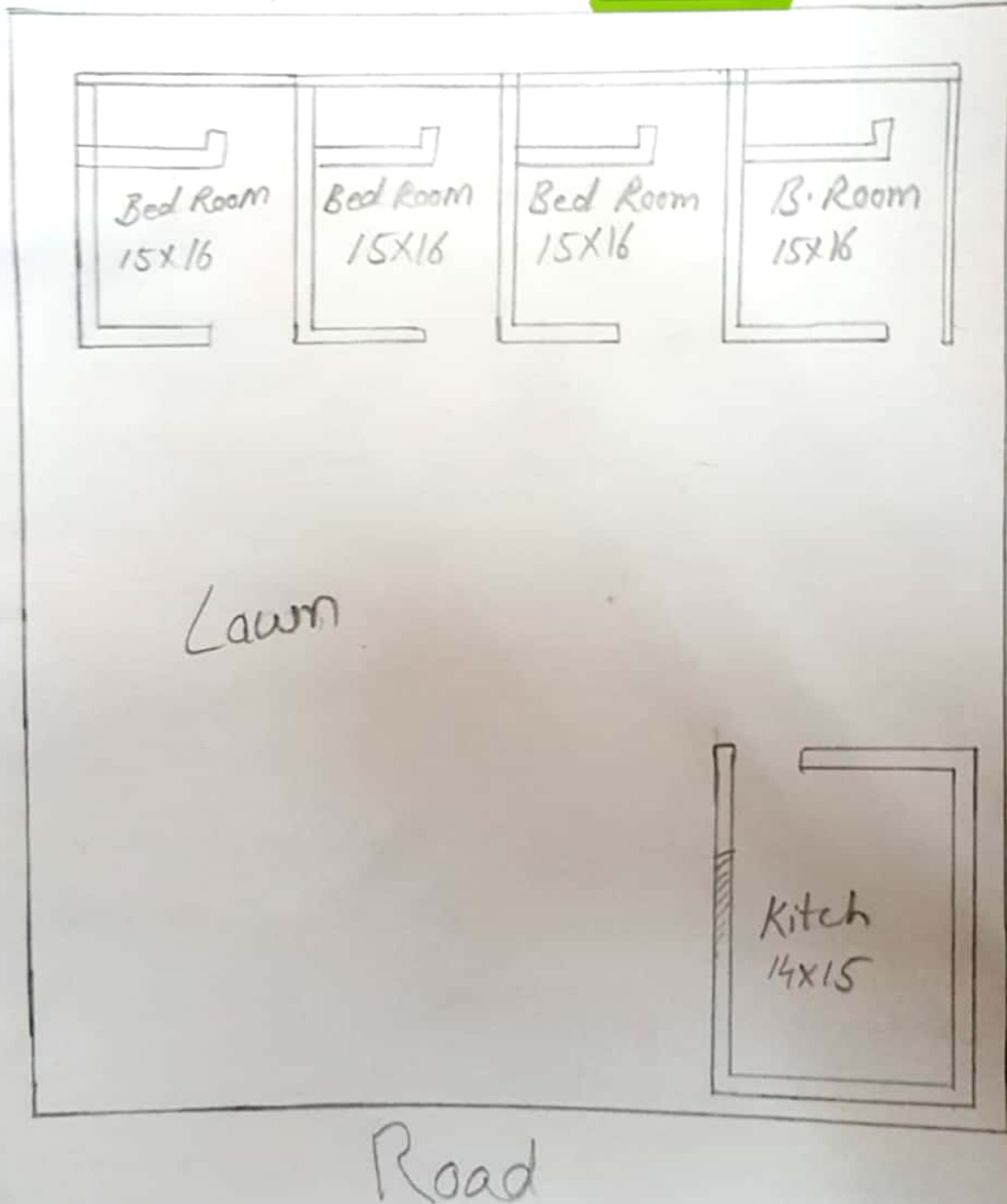
winter wind

Q no 2



Q(3) Sketch of the site.

P7



Micro site analysis:

Location from different areas:

Kabal is a town in Swat district Kyber Pakhtunkhwa Province of Pakistan located 10 km from Mingora city.

Population: 118,103.

Climates and weather:

Highest temperature is 36°C and 73°C winds: North-East 7 km/h 4 mph.

Geology: Swat is a mountainous area.

Hydrology: SWAT RIVER passes through the city and all the water of the city goes to that river.

Soil Genesis: Soil is not fertile everywhere.

Slope: Swat average elevation is 980 m resulting in a considerably cooler and wetter climate compared to most of Pakistan.

Wild life: Wild life is present due to forest.

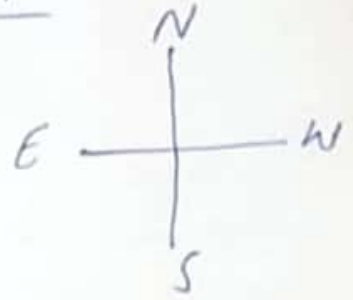
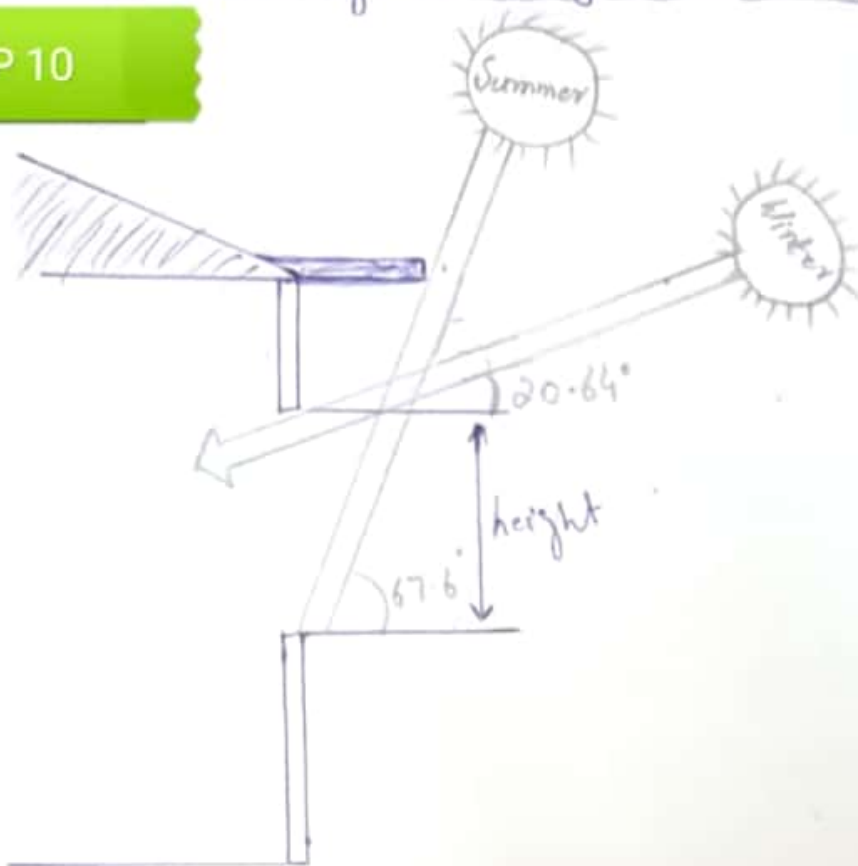
Utilities :: In swat ~~is~~ there is no developed system of electricity, gas supply, and cables.

Circulation :: There is no good road system in swat. Because most of the land of swat is hilly and is difficult to construct a road.

Natural feature :: Swat is renowned for its outstanding beauty. There is a sky high mountain in swat.

Sun angle changes over the year.

P 10



$$\begin{aligned} \text{Sun's altitude at noon on} \\ \text{Summer} &= 90 + 23.5 (\text{Latitude}) \\ &= \boxed{67.647} \end{aligned}$$

$$\begin{aligned} \text{Sun's altitude at noon on} \\ \text{Winter} &= 90 - 23.5 (\text{Latitude}) \\ &= 90 - 23.5 - (45.853) \\ &= \boxed{20.647} \end{aligned}$$