PAPER: Architecture and Town Planing

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Q1: Take any building from internet, put its picture in Microsoft Word and explain its positive and negative points according to the principles of design. What could be done to make the building more attractive? Answer must be at least 200 words. (CLO1-PLO7)

ANS:

Centaurus Mall



Centaurus Mall as we all know is the latest development in Pakistan. If you see it, no one will ever say that it is located in country with economic instability and problems. With breath taking view of Margalla hills draped behind, this 40 stories building is a master piece. Its initial concept is one seen in Dubai and Sharjah. It is 3 building connected to one another through 4 stories of shopping mall. Also this master plan on Centaurus Mall contains a fun place, for children, a luxury cinema, hotel residence and an office. Doesn't it sound more like a concept for foreign country rather than in Pakistan!

Location:

The Centaurus is situated right in the heart of Islamabad, on Fazal -e- Haq road. It's the first real mall in Islamabad with almost all the amenities. Various local and international brands are available in the mall under one roof for shoes, clothing and electronics. Also various cafes and restaurants are available as well as a food court on top floor. There is a multiplex cinema on the sa.e floor of food court. They have 3 storey car parking and also various parking spots are available around the mall. There is a metro station in front of the mall, so it can be easily accessed via metro or taxis or careem / uber. On weekends it gets over crowded sometimes, so can be irritating sometimes. Centaurus

<u>Design:</u>

The building of Centaurus Mall Islamabad is designed by British architectural company WS Atkins. It has three skyscrapers, corporate offices and residential apartments.

Positive and negative points of centaurus mall

Positive

- [1]: Centaurus mall is an attractive design.
- [2]: The modular three shaped building which are connected to each other and stable configuration for structure and provide good floor flats for residential
- [3]: The usage of Centaurus mall the three idol towers plan is idol for residential and hotel usage with wings allowing maximum outwards views and inward nature light.
- [4]: The floor ratio of Centaurus is given a lot for car parking and for walk etc.
- [5]: Such a design like this is design for advertisement purposes.
- [6]: Centaurus was design with fully fire Protection Technology in emergency.

Negative points:

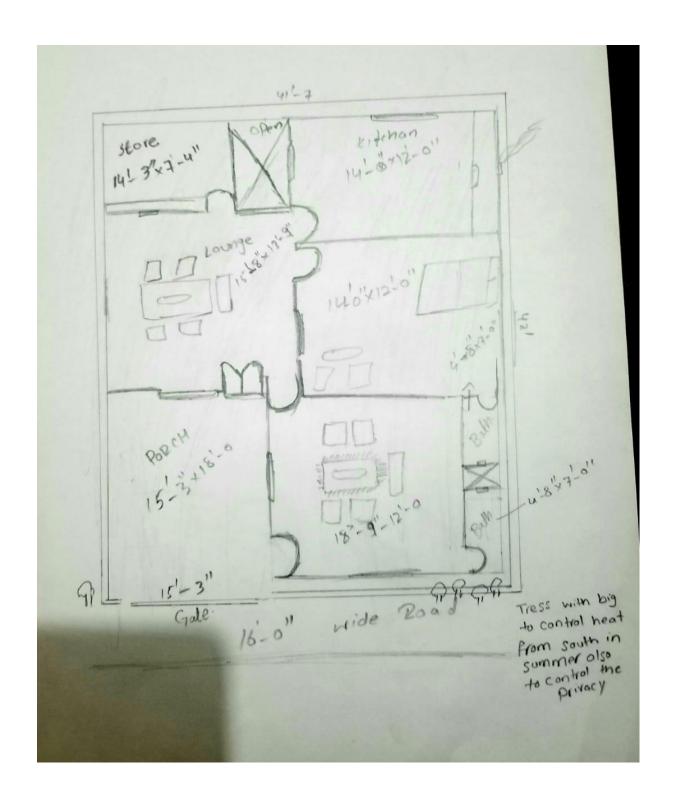
- [1]: They have use lot of glass on the outside of exterior. They need to be used heat resistance material instead of glass. Which is much efficient. Due to the glasses the building temperature will be always high.
- [2]: As a designer I would like to add some greenery to the building. which is not available Centaurus.
- [3]: For fresh air there must be some green patches on building.
- [4]: The design down of shopping mall is boring when you enter it cut off your natural lights. There must be a possible way to give a touch to the natural environment.
- [5]: Oscillation occur due to earthquake which is danger to human life.

Question 2:

<u>Design and sketch an ideal single storey house on the site shown</u> <u>below. The design should be free hand and can be drawn on graph</u> <u>paper. If a graph paper is not available then make a grid of 5'x5' on a</u> separate white A4 size paper. The house should be naturally ventilated and have natural lighting. Also, it should be free of noise. The site is located in Peshawar. Label or explain the Plan neatly. (CLO1-PLO7)

Answer:-

Free Hand Skitch Single Story building:



QUASTION:-3

SELECT 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 FOR ANALYSIS OR ANY OTHER SITE IN THE

NEIGHBORHOOD. ADDITIONALLY, MAKE A SOLAR PATH DIAGRAM FOR YOUR AREA ON A SEPARATE PIECE OF PAPER TO FIND THE EXACT SUN ANGLES FOR BOTH WINTER AND SUMMER. WATCH VIDEOS ON YOUTUBE TO UNDERSTAND AND MAKE SOLAR PATH DIAGRAM. USE THESE SUN ANGLES TO MAKE A ROUGH SKETCH 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 ANGLES IN MIND. THE PURPOSE FOR THE SKETCH IS TO SHOW HOW WINTER SUN IS ALLOWED AND SUMMER SUN IS BLOCKED.

Answer:-

