

Name : M. Zahoor

I.D :- 7902

Section : A

Date : 21-8-2020

Paper : Architecture
and
Town planning.

Q 1 :- (a) Architecture different from
Town planning :-

Ans:- Town planning planner's decide what can be built where and how outdoor areas will be used; architects create the actual design. Town planning planner's focus on the big picture of community needs and the impact on surrounding areas while architects are primarily concerned with their client's needs. Both ~~to~~ Town Planning planner's and architects must ensure that their projects comply with building codes, land use limitations, and other regulations.

The ~~town~~ planning expresses an era.
The Architecture reveals its spirit.

The Difference b/w Town planning and Architecture is the lens with which you observe the world around you.

The Town planning focuses on the big picture of community needs and impact on surrounding area, while Architects are primarily concerned with their client's needs.

Town planning deals with the functional or physical planning in of the built environment. Its works in larger scale than architectural design providing it with a context.

Architecture by definition is the art of building. It continues where town planning finished and worked with scales 1:100 - 1:1.

The architect places the building on the site often regulated by a town plan and design the building by giving form to the spaces needed to perform the intended function.

Q 1 : (b)

Frame and load Bearing structure's

Ans:-

Among Frame structure and load bearing structure the framed structure are economical as you don't need steel reinforcement but its is convenient ~~only~~ only for ground + 1 as higher you go various loads come into play which load bearing structure are insufficient to counter.

I recommend The load bearing structure for a 3 - storey apartment building because.

- ① It is less expensive than Frame structure.
- ② The force in the individual structure elements is determined.
- ③ The overall structural stability of structure is determined.

The Frame structure is more expensive for the 3 - storey building.

But for 3 - storey building less expensive in load bearing = ~~to~~

Q 2:- what is the building design process?

Ans:-
? An building design process is essential in providing a series of steps so that you end up with the best architect designed building for you.

The steps in the building design process take you through your design Brief, your concept plan, sketch design.

what are the Phases in the building design process.

The Phases in building design process may already sound familiar to you.

There are 5 main steps in building design process. here now

First, there is the client brief for the building. Once the client Brief is defined, then we move onto the design of the building.

each step involves many factors to consider.

The second step, includes the concept, sketch and Design development. At the concept design stage, to come up with the best solutions for your house.

stage 1 :- Client Brief and Budget:

The client's Brief and wishlist set the design parameters for the building. These are the building requirements that the client want in their new building. At This stage issues are identified that need to be client.

stage :- 2

Design

The design is integral to your new building from start to finish. whether it is putting down ideas in a concept diagram.

And a design doesn't mean it has to be expensive. For example, redesigning the layout of your building might result in your only needing a small addition.

stage 3 :- Construction Documents :-

Construction documents for permits and construction are the next step. These are drawings and specifications based on your building design so that the builder can use these to construct your ~~the~~ building.

stage 4 :- Tendering :-

Tendering is when a select group of builders price your building. it is a competitive process so

that you know the amount submitted to build your home is market charges

stage 5 :-

Construction

Administration:-

Construction Administration is when you have selected a builder. you have signed a contract with them as the home owner. That when we can go on site, as your representative, to inspect the construction and make sure everything is according to the documents.

Q 3 .a.

①

Given Data:

$$\text{Lot area} = 10,000 \text{ sft}$$

$$\text{F.A.R} = 1 : 0.1$$

Suppose I have to design a single Building with the given Ratio.

The Building having $G + 2$ Floors.

$$\text{Each Floor area} = ?$$

$$\text{All floor area} = ?$$

Sol: We know that

$$\text{Formula} \rightarrow \frac{\text{Floor area}}{\text{Lot area}} = \text{F.A.R}$$

→ First we find the total floor area = x

$$\text{So } \frac{x}{10,000} = 0.1 \text{ F.A.R}$$

$$x = 10,000 \times 0.1 = 1000 \text{ sft}$$

$$\text{For each floor } G + 2 = 3$$
$$\frac{1000}{3} = 333.3 \text{ sft}$$

$$\text{one Floor area} = 333.3 \text{ sft.}$$

$$\text{second " " } = 333.3 "$$

$$\text{third " " } = 333.3 "$$

AW.

